

TYPE	DATE	TIME	AGENCY	DESCRIPTION	PAGE	
Area Forecast Discussion	4/7/2018	0400	PDT	San Diego	A low pressure system moving inland through Southern California on Wednesday night and Thursday will bring much stronger onshore flow.... Winds in the mountains and deserts are expected to be stronger than today...especially in San Diego County. Stronger and gusty winds across the coastal waters will also spread inland into coastal areas.	70
Area Forecast Discussion	4/7/2018	1316	PDT	San Diego	A rapid cool-down will ensue for Wed/Thu as the ridge heads east and another vigorous trough slams the West Coast. Once again, most of the rain/snow will be north of the SGX CWA, but we could get in on a few showers, and westerly winds should be quite strong over the mts/deserts....	73
Area Forecast Discussion	4/8/2018	0303	MST	Phoenix	Forecast by Phoenix is mainly for Arizona and not California... deep Pacific low will dive southward well off the West Coast over the next couple days allowing the downstream ridge to amplify as it shifts eastward over the Western U.S.... Wednesday still looks like it will be the warmest day as winds will become breezy aiding vertical mixing.	76
Area Forecast Discussion	4/8/2018	0334	PDT	San Diego	Onshore flow will return on Tuesday and strengthen into Thursday as a low pressure system moves inland through Southern California on Thursday..... There are small chances for light precipitation...mainly on coastal slopes and for the inland valleys late Wednesday night into Thursday morning....	79
Area Forecast Discussion	4/8/2018	1330	PDT	San Diego	Greater cooling will come midweek as another low pressure trough swings inland off the Pacific. This one should generate even stronger westerly winds over the mts/deserts than the trough yesterday. It may also spark a few light showers over our northern mts, but significant rainfall is not expected....	82
Area Forecast Discussion	4/9/2018	0336	PDT	San Diego	Onshore flow will strengthen for Wednesday and Thursday as a fast moving low pressure system moves through Southern California Wednesday night and Thursday. Cooling will spread inland Wednesday.... There is a slight chance of light showers late Wednesday night into Thursday morning...mainly near the mountains of San Bernardino and Riverside Counties. The low pressure system moving inland across Southern California Wednesday night and Thursday will bring much stronger onshore flow with stronger west to northwest winds across the coastal waters. The strongest winds are expected across the mountains and deserts with strongest gusts to around 70 mph in the windier locations....	84
Area Forecast Discussion	4/9/2018	0857	PDT	San Diego	We'll have roller coaster weather this week (not unusual for Spring) with warm, dry weather today and tomorrow, followed by windy, cooler weather Wednesday and Thursday....	87

TYPE	DATE	TIME		AGENCY	DESCRIPTION	PAGE
Urgent Weather Message	4/9/2018	1256	PDT	San Diego	<p>San Bernardino County Mountains-Riverside County Mountains-San Diego County Mountains-Apple and Lucerne Valleys-Coachella Valley-San Diego County Deserts-San Gorgonio Pass Near Banning-Including the cities of Crestline, Lake Arrowhead, Big Bear City, Big Bear Lake, Running Springs, Wrightwood, Idyllwild-Pine Cove, Julian, Pine Valley, Victorville, Hesperia, Apple Valley, Indio, Palm Springs, Cathedral City, Palm Desert, Palm Desert Country, La Quinta, Coachella, Borrego Springs, Banning, and Desert Hot Springs</p> <p>...HIGH WIND WATCH IN EFFECT FROM WEDNESDAY AFTERNOON THROUGH THURSDAY EVENING...The National Weather Service in San Diego has issued a High Wind Watch...which is in effect from Wednesday afternoon through Thursday evening.</p> <p>* Winds...West winds 20 to 35 mph with gusts from 60 to 70 mph,</p> <p>* Location...Strongest winds will surface on the eastern mountains slopes and into the deserts Wednesday night through Thursday.</p> <p>* Impacts...These strong winds will make driving difficult for high profile vehicles. Watch for broken tree limbs and downed power lines. In the deserts...blowing dust and sand could reduce visibilities.</p>	90
Area Forecast Discussion	4/9/2018	1350	MST	Phoenix	<p>...By Wednesday a significant change will take place as a strong low pressure trough swings through the western U.S. This will drop heights significantly and also increase winds due to the higher pressure gradient. The stronger winds will present a danger from blowing dust beginning late Wednesday through Friday.</p>	91
Area Forecast Discussion	4/9/2018	1350	PDT	San Diego	<p>The warmth of today and tomorrow will take a downward turn Wednesday and Thursday, especially on Thursday with the passage of a strong Pacific trough. Coastal and Valley highs that day will only be in the 60s and low 70s, mountain highs will be in the 40s and 50s, High Desert highs in the 60s and Lower Desert highs around 80. Of greatest impact though will be the strong westerly winds. The winds start to pick up Wednesday afternoon in the mountains and deserts, and peak Wednesday night and Thursday with impressive 50-70 kt 850 mb winds over mountains. Cresting mountains waves down the eastern mountain slopes will reach the desert floor in some areas, and there is the potential for some damage from downed trees and power lines. A High Wind Watch will be in effect from 1 PM Wednesday to 9 PM Thursday....</p>	94

TYPE	DATE	TIME	AGENCY	DESCRIPTION	PAGE
Urgent Weather Message	4/9/2018	2135	PDT	<p>San Diego</p> <p>...STRONG WEST WINDS WEDNESDAY AND THURSDAY...A trough of low pressure moving inland across California will generate strong, gusty winds over the mountain crests, desert mountain slopes, and into portions of the deserts Wednesday afternoon through Thursday evening...San Bernardino County Mountains-Riverside County Mountains-San Diego County Mountains-Apple and Lucerne Valleys-Coachella Valley-San Diego County Deserts-San Gorgonio Pass Near Banning-Including the cities of Crestline, Lake Arrowhead, Big Bear City, Big Bear Lake, Running Springs, Wrightwood, Idyllwild-Pine Cove, Julian, Pine Valley, Victorville, Hesperia, Apple Valley, Indio, Palm Springs, Cathedral City, Palm Desert, Palm Desert Country, La Quinta, Coachella, Borrego Springs, Banning, and Desert Hot Springs</p> <p>...HIGH WIND WATCH REMAINS IN EFFECT FROM WEDNESDAY AFTERNOON THROUGH THURSDAY EVENING...</p> <p>* Winds...West winds 25 to 40 mph with gusts from 60 to 70 mph,</p> <p>* Location...Strongest winds on the eastern mountains slopes, trough the San Gorgonio Pass, and where mountain waves surface in the deserts.</p> <p>* Impacts...These strong winds will make driving difficult for high profile vehicles, especially along I-8 and I-10. Minor damage to trees and loose outdoor objects possible. Blowing dust and blowing sand will locally reduce visibility in the deserts.</p>	97
Urgent Weather Message	4/10/2018	0253	PDT	<p>San Diego</p> <p>...STRONG WEST WINDS FOR THE MOUNTAINS AND DESERTS FOR LATE WEDNESDAY INTO THURSDAY EVENING...A fast moving low pressure system moves inland across Southern California Wednesday night and Thursday will bring periods of strong gusty west winds to the mountains and deserts for late Wednesday into Thursday evening...San Bernardino County Mountains-Riverside County Mountains-San Diego County Mountains-Apple and Lucerne Valleys-Coachella Valley-San Diego County Deserts-San Gorgonio Pass Near Banning-Including the cities of Big Bear City, Wrightwood, Julian, Victorville, Hesperia, Apple Valley, Indio, Palm Springs, Cathedral City, Palm Desert, Palm Desert Country, La Quinta, Coachella, Borrego Springs, and Desert Hot Springs</p> <p>...HIGH WIND WATCH REMAINS IN EFFECT FROM WEDNESDAY AFTERNOON THROUGH THURSDAY EVENING...</p> <p>* Winds...Areas of west winds 25 to 35 mph with gusts from 60 mph. Isolated gusts to 75 mph.</p> <p>* Location...Near mountain ridge tops and along desert mountain slopes into adjacent desert areas</p> <p>* Timing...The winds will strengthen Wednesday afternoon and evening...with the strongest winds expected for late Wednesday night through Thursday morning.</p> <p>* Impacts...The winds will make driving difficult...especially for motorists with high profile vehicles. This will impact portions of Interstate 10 through the San Gorgonio Pass and the Coachella Vally...and Interstate 8 through the San Diego County mountains. In the deserts...areas of blowing dust and sand will reduce visibility at times. Watch for broken tree limbs and other debris.</p>	99
Area Forecast Discussion	4/10/2018	0255	MST	<p>Phoenix</p> <p>...A significant, but dry Pacific trough is forecast to move onshore late Wednesday and then progress through the Great Basin and the Desert Southwest on Thursday. Most of the shortwave energy will miss us to the north, but we will still see a strong dry cold front move through early Thursday. The main impact for Thursday will be the strong winds with widespread gusts likely exceeding 35mph during the afternoon and early evening. These strong winds will likely lead to at least patchy blowing dust and increase fire danger across the region....</p>	101

TYPE	DATE	TIME	AGENCY	DESCRIPTION	PAGE
Urgent Weather Message	4/10/2018	0259	PDT	<p>San Diego</p> <p>...STRONG WEST WINDS FOR THE MOUNTAINS AND DESERTS FOR LATE WEDNESDAY INTO THURSDAY EVENING...A fast moving low pressure system moves inland across Southern California Wednesday night and Thursday will bring periods of strong gusty west winds to the mountains and deserts for late Wednesday into Thursday evening...San Bernardino County Mountains-Riverside County Mountains-San Diego County Mountains-Apple and Lucerne Valleys-Coachella Valley-San Diego County Deserts-San Gorgonio Pass Near Banning- Including the cities of Big Bear City, Wrightwood, Julian, Victorville, Hesperia, Apple Valley, Indio, Palm Springs, Cathedral City, Palm Desert, Palm Desert Country, La Quinta, Coachella, Borrego Springs, and Desert Hot Springs</p> <p>...HIGH WIND WATCH REMAINS IN EFFECT FROM WEDNESDAY AFTERNOON THROUGH THURSDAY EVENING...</p> <p>* Winds...Areas of west winds 25 to 35 mph with gusts from 60 mph. Isolated gusts to 75 mph.</p> <p>* Location...Near mountain ridge tops and along desert mountain slopes into adjacent desert areas</p> <p>* Timing...The winds will strengthen Wednesday afternoon and evening...with the strongest winds expected for late Wednesday night through Thursday morning.</p> <p>* Impacts...The winds will make driving difficult...especially for motorists with high profile vehicles. This will impact portions of Interstate 10 through the San Gorgonio Pass and the Coachella Vally...and Interstate 8 through the San Diego County mountains. In the deserts...areas of blowing dust and sand will reduce visibility at times. Watch for broken tree limbs and other debris.</p>	104
Area Forecast Discussion	4/10/2018	0329	PDT	<p>San Diego</p> <p>A weak trough of low pressure will move inland across Southern California late this afternoon and evening spreading some high clouds across the area today. Satellite imagery shows some patchy stratus just off the northern Baja coast extending northward to just off Imperial Beach in far southern San Diego County. ... With a return of weak onshore flow...cooling will begin to spread inland from the coast. The cooling will continue on Wednesday into Thursday with Thursday expected to be the coolest day. Greater deepening of the marine layer is expected for Wednesday night into Thursday morning with small chances for light showers along and west of the mountains for late Wednesday night into Thursday morning. Much stronger onshore flow will bring stronger and gusty west winds for the mountains and deserts for late Wednesday into Thursday evening. There will also be stronger and gusty west to northwest winds across the coastal waters.</p>	106
Area Forecast Discussion	4/10/2018	0945	PDT	<p>San Diego</p> <p>Cooler on Wednesday with greater cooling and strong winds Wednesday night into Thursday with the passage of a strong trough. This will be a wind event more than a rain event with only slight chances for light showers along and west of the mountains. Strong west winds will impact all areas from the coastal waters to the deserts. A High Wind Watch is in effect for the mountains and deserts for 20-35 mph winds gusting to 50-70 mph in the most wind prone eastern mountains slopes and desert areas. It will be a windy day at the coast and over the coastal waters Thursday with 15-25 mph winds gusting to 30 mph.</p>	109

TYPE	DATE	TIME		AGENCY	DESCRIPTION	PAGE
Area Forecast Discussion	4/10/2018	1350	PDT	San Diego	<p>West winds will start to pick up Wednesday afternoon in the mountains and deserts ahead of the main upper trough that will sweep across SoCal Thursday. Time-Height cross sections show a moderately strong mountain wave down the eastern slopes in the deserts Wednesday afternoon and evening. However, the strongest wind will surface Wednesday night and Thursday when a stronger wave will make it down the slopes and into parts of the desert floor of the Coachella Valley and the Anza Borrego Desert. The potential exists for 20-35 mph sustained winds to gust as high as 50-70 mph in some areas Thursday. The High Wind Watch was upgraded to a High Wind Warning for the mountains and deserts Wednesday afternoon through Thursday evening.... This will be a wind event more than a rain event with only slight chances for light showers along and west of the mountains Thursday. There just isn't any deep moisture drawn into the system, so any light precip will have to come from the marine layer Thursday....</p>	112
Area Forecast Discussion	4/10/2018	1408	MST	Phoenix	<p>...On Wednesday the ridge axis shifts east and flattens as heights begin to fall ahead of a strong Pacific weather system encroaching on the west coast....With Wednesday's tightening gradient, strong gusty winds are forecast to develop late Wednesday afternoon to Wednesday night, first over SE CA and then spreading east into AZ ahead of, and with the dry cold front. Chances for areas of blowing dust will begin first in SE CA with FROPA on Wednesday night. The dry cold front is forecast to push through the remaining lower desert areas on Thursday with a good shot of cold air, very strong and gusty winds, and more areas of blowing dust. The FROPA for Phoenix should occur near 18Z.</p>	115
Urgent Weather Message	4/10/2018	1408	PDT	San Diego	<p>...STRONG WEST WINDS FOR THE MOUNTAINS AND DESERTS FOR LATE WEDNESDAY INTO THURSDAY EVENING....A fast moving low pressure system moves inland across Southern California Wednesday night and Thursday will bring periods of strong gusty west winds to the mountains and deserts for late Wednesday into Thursday evening...San Bernardino County Mountains-Riverside County Mountains-San Diego County Mountains-Apple and Lucerne Valleys-Coachella Valley-San Diego County Deserts-San Gorgonio Pass Near Banning-Including the cities of Big Bear City, Wrightwood, Julian, Victorville, Hesperia, Apple Valley, Indio, Palm Springs, Cathedral City, Palm Desert, Palm Desert Country, La Quinta, Coachella, Borrego Springs, and Desert Hot Springs ...HIGH WIND WARNING IN EFFECT FROM 1 PM WEDNESDAY TO 10 PM PDT THURSDAY...</p> <ul style="list-style-type: none"> * Winds...Areas of west winds 25 to 35 mph with gusts to 60 mph. Isolated gusts to 70 mph. * Location...Near mountain ridge tops and along desert mountain slopes into adjacent desert areas * Timing...The winds will strengthen Wednesday afternoon and evening...with the strongest winds expected for late Wednesday night through Thursday morning. * Impacts...The winds will make driving difficult...especially for motorists with high profile vehicles. This will impact portions of Interstate 10 through the San Gorgonio Pass and the Coachella Vally...and Interstate 8 through the San Diego County mountains. In the deserts...areas of blowing dust and sand will reduce visibility at times. Watch for broken tree limbs and other debris. 	118

TYPE	DATE	TIME		AGENCY	DESCRIPTION	PAGE
Area Forecast Discussion	4/10/2018	2045	MST	Phoenix	<p>.UPDATE...Updated aviation discussion... Southeast California/Southwest Arizona including KIPL and KBLH: A westerly component of the surface wind will be maintained across most of southeast California overnight into late Wednesday. Primary aviation concern will be strengthening winds Wednesday afternoon, after 19Z at KBLH, and after 22Z at KIPL, with gusts to 25 kt expected. Periodic high clouds are forecast.</p>	120
Urgent Weather Message	4/10/2018	2107	PDT	San Diego	<p>...STRONG WEST WINDS FOR THE MOUNTAINS AND DESERTS FOR LATE WEDNESDAY INTO THURSDAY EVENING... A fast moving low pressure system moves inland across Southern California Wednesday night and Thursday will bring periods of strong gusty west winds to the mountains and deserts for late Wednesday into Thursday evening...San Bernardino County Mountains-Riverside County Mountains-San Diego County Mountains-Apple and Lucerne Valleys-Coachella Valley-San Diego County Deserts-San Gorgonio Pass Near Banning- Including the cities of Big Bear City, Wrightwood, Julian, Victorville, Hesperia, Apple Valley, Indio, Palm Springs, Cathedral City, Palm Desert, Palm Desert Country, La Quinta, Coachella, Borrego Springs, and Desert Hot Springs</p> <p>...HIGH WIND WARNING IN EFFECT FROM 1 PM WEDNESDAY TO 10 PM PDT THURSDAY...</p> <p>* Winds...Areas of west winds 25 to 35 mph with gusts to 60 mph. Isolated gusts to 70 mph.</p> <p>* Location...Near mountain ridge tops and along desert mountain slopes into adjacent desert areas</p> <p>* Timing...The winds will strengthen Wednesday afternoon and evening...with the strongest winds expected for late Wednesday night through Thursday morning.</p> <p>* Impacts...The winds will make driving difficult...especially for motorists with high profile vehicles. This will impact portions of Interstate 10 through the San Gorgonio Pass and the Coachella Valley...and Interstate 8 through the San Diego County mountains. In the deserts...areas of blowing dust and sand will reduce visibility at times. Watch for broken tree limbs and other debris.</p>	123
Urgent Weather Message	4/11/2018	0244	MST	Phoenix	<p>Imperial County Southwest-Salton Sea-Imperial County West-Imperial Valley Including the cities of Mountain Spring, Desert Shores, Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo, Plaster City, El Centro, Calexico, Alamo, and Brawley</p> <p>...WIND ADVISORY IN EFFECT FROM 6 PM THIS EVENING TO 8 PM PDT THURSDAY... The National Weather Service in Phoenix has issued a Wind Advisory, which is in effect from 6 PM this evening to 8 PM PDT Thursday.</p> <p>* AFFECTED AREA...Western Imperial County including the Imperial Valley and El Centro, the Salton Sea, and portions of Interstate 8 from El Centro west toward Ocotillo.</p> <p>* TIMING...From 6 PM this evening until 8 PM Thursday evening.</p> <p>* WINDS...West winds of 20 to 30 mph gusting to 40 to 50 mph.</p> <p>* IMPACTS...Difficult driving conditions, especially on roads closer to the mountains and any north-south oriented roads. Some areas of blowing dust may develop, limiting visibility. Unsecured objects may become airborne.</p>	125

TYPE	DATE	TIME	AGENCY	DESCRIPTION	PAGE
Urgent Weather Message	4/11/2018	0247	PDT	<p>San Diego</p> <p>...STRONG WEST WINDS DEVELOPING OVER THE MOUNTAINS AND DESERTS THIS EVENING...A low pressure trough moving inland across California will bring strong and gusty westerly winds this evening into Thursday over the mountains and deserts...San Bernardino County Mountains-Riverside County Mountains-San Diego County Mountains-Apple and Lucerne Valleys-Coachella Valley-San Diego County Deserts-San Gorgonio Pass Near Banning- Including the cities of Big Bear City, Wrightwood, Julian, Victorville, Hesperia, Apple Valley, Indio, Palm Springs, Cathedral City, Palm Desert, Palm Desert Country, La Quinta, Coachella, Borrego Springs, and Desert Hot Springs</p> <p>...HIGH WIND WARNING NOW IN EFFECT FROM 8 PM THIS EVENING TO 2 PM PDT THURSDAY...</p> <p>* Winds...West 25 to 35 mph with gusts to 60 mph. Isolated gusts to 70 mph. * Location...Near mountain ridge tops and along desert mountain slopes into adjacent desert areas * Timing...Beginning this evening, with the strongest winds late tonight through Thursday morning. Winds will weaken during the day Thursday. * Impacts...The winds will make driving difficult...especially for motorists with high profile vehicles. This will impact portions of Interstate 10 through the San Gorgonio Pass and the Coachella Valley...and Interstate 8 through the San Diego County mountains. In the deserts...areas of blowing dust and sand will reduce visibility at times. Watch for broken tree limbs and other debris.</p>	129
Area Forecast Discussion	4/11/2018	0250	PDT	<p>San Diego</p> <p>A low pressure trough approaching the coast this morning will drop sfc pressure over the Great Basin, encouraging onshore winds to increase. This will lift the marine air inland and result in a much cooler day for all except the lower deserts where temps will still reach the mid 90s. As the trough moves inland, sfc pressures will drop further and westerly winds will increase further over the mts/deserts where a High Wind Warning has been posted for this evening through midday Thu. As the trough moves east on Thu, the winds will slowly subside, but it will remain breezy into the evening. A few light showers may develop along and west of the mts early Thu morning, otherwise it will remain dry.</p>	131
Area Forecast Discussion	4/11/2018	0309	MST	<p>Phoenix</p> <p>...An approaching Pacific trough will bring a period of high clouds today while also resulting in breezy southwest winds by late this afternoon...The Pacific trough will quickly move east today into tomorrow, first reaching the California coast this evening. This will lead to deepening surface pressure over the Interior West while a strong surface high over the Pacific edges closer to the West Coast. This will create a strong pressure gradient across the Desert Southwest by late afternoon, especially over central portions of southern California. 850mb winds over southeast California increase to around 35-40kts by midnight and this should result in mountain rotor winds developing across the western half of Imperial County starting this evening. Wind Advisory level winds are anticipated to affect this area and likely lead to periods of blowing dust tonight. As the Pacific trough continues into the Great Basin and Desert Southwest on Thursday, a dry cold front will quickly push through the area by noon. Winds will become quite gusty throughout the majority of the forecast area by mid Thursday morning with Wind Advisory level winds over all but far southern Arizona. Wind gusts Thursday afternoon and early evening should exceed 35-40mph at times in the advisory area and will likely bring areas of blowing dust with the possibility of localized reduced visibilities below 1/2 mile in dust prone areas.</p>	136

TYPE	DATE	TIME		AGENCY	DESCRIPTION	PAGE
Area Forecast Discussion	4/11/2018	0445		MST Phoenix	<p>.UPDATE... for fire weather and aviation sections...Southeast California/Southwest Arizona including KIPL and KBLH: Winds will increase this afternoon, becoming gusty at TAF sites from the southwest/west. Brief periods of BLDU will be possible, especially at KIPL this evening, as winds increase. Enhanced winds may persist late into the evening, perhaps not showing much of a break at all in the Imperial Valley overnight (though if mountain rotors develop, periods of strong winds followed by very weak winds will be possible). Clouds will remain AOA 25kft.</p>	140
Area Forecast Discussion	4/11/2018	0918		PDT San Diego	<p>...Sfc pressure gradients are currently 3.9 mb SAN-TPH and 4.5 mb SAN-DAG. West of the mountains, temperatures are generally lower than at this time yesterday while humidities are generally higher. The highest wind gust in the last hour was 36 mph in the southeast corner of San Diego County. A low pressure trough approaching the coast this morning will reduce sfc pressure over the Great Basin, strengthening onshore winds. This will push the marine air inland today and result in a much cooler conditions for all except the lower deserts where temps will still reach the mid 90s. As the trough moves inland on Thu, sfc pressures will decrease further and westerly winds will continue to increase over the mts/deserts where a High Wind Warning goes into effect for this evening through midday Thu. The winds will likely peak Thu morning when gusts of 60 mph are expected and local gusts to 70 mph will be possible. As the trough moves east on Thu, the winds will slowly subside, but it will remain breezy into the evening. Some light precipitation may develop along and west of the mts early Thu morning as forcing from the trough convects the moisture in the boundary layer, otherwise it will remain dry.</p>	144
Area Forecast Discussion	4/11/2018	1222		MST Phoenix	<p>.UPDATE...Updated aviation and fire weather discussions...Southeast California/Southwest Arizona including KIPL and KBLH: Very strong westerly flow will persist through our TAF period as a dry weather system moves onshore. It is probable that blowing dust and reduced visibilities (4-6SM) will happen at some point at KIPL between 00Z Thu through 00Z Fri but not confident enough to include it in any given TAF period. Strong westerly flow will continue through Thursday afternoon before weakening Thursday evening.</p>	147
Urgent Weather Message	4/11/2018	1247		PDT San Diego	<p>...STRONG WEST WINDS DEVELOPING OVER THE MOUNTAINS AND DESERTS THIS EVENING....A low pressure trough moving inland across California will bring strong and gusty westerly winds this evening into Thursday over the mountains and deserts...San Bernardino County Mountains-Riverside County Mountains-San Diego County Mountains-Apple and Lucerne Valleys-Coachella Valley-San Diego County Deserts-San Gorgonio Pass Near Banning-Including the cities of Big Bear City, Wrightwood, Julian, Victorville, Hesperia, Apple Valley, Indio, Palm Springs, Cathedral City, Palm Desert, Palm Desert Country, La Quinta, Coachella, Borrego Springs, and Desert Hot Springs ...HIGH WIND WARNING NOW IN EFFECT FROM 8 PM THIS EVENING TO 2 PM PDT THURSDAY...</p> <ul style="list-style-type: none"> * Winds...West 25 to 35 mph with gusts to 60 mph. Isolated gusts to 70 mph. * Location...Near mountain ridge tops and along desert mountain slopes into adjacent desert areas * Timing...Beginning this evening, with the strongest winds late tonight through Thursday morning. Winds will weaken during the day Thursday. * Impacts...The winds will make driving difficult...especially for motorists with high profile vehicles. This will impact portions of Interstate 10 through the San Gorgonio Pass and the Coachella Vally...and Interstate 8 through the San Diego County mountains. In the deserts...areas of blowing dust and sand will reduce visibility at times. Watch for broken tree limbs and other debris. 	151

TYPE	DATE	TIME		AGENCY	DESCRIPTION	PAGE
Urgent Weather Message	4/11/2018	1252	MST	Phoenix	<p>Imperial County Southwest-Salton Sea-Imperial County West-Imperial Valley Including the cities of Mountain Spring, Desert Shores, Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo, Plaster City, El Centro, Calexico, Alamo, and Brawley</p> <p>...WIND ADVISORY REMAINS IN EFFECT FROM 6 PM THIS EVENING TO 8 PM PDT THURSDAY...</p> <p>* AFFECTED AREA...Western Imperial County including the Imperial Valley and El Centro, the Salton Sea, and portions of Interstate 8 from El Centro west toward Ocotillo.</p> <p>* TIMING...From 6 PM this evening until 8 PM Thursday evening.</p> <p>* WINDS...West winds of 25 to 35 mph gusting to 40 to 50 mph.</p> <p>* IMPACTS...Difficult driving conditions, especially on roads closer to the mountains and any north-south oriented roads. Some areas of blowing dust may develop, limiting visibility. Unsecured objects may become airborne.</p>	153
Area Forecast Discussion	4/11/2018	1342	PDT	San Diego	<p>....A low pressure trough approaching the coast to our north moves inland on Thu, sfc pressures will decrease further and westerly winds will continue to increase over the mts/deserts where a High Wind Warning goes into effect for this evening through midday Thu. The winds will likely peak early Thu morning when gusts of 60 mph are expected and local gusts to 70 mph will be possible. As the trough moves east on Thu, the winds will slowly subside, but it will remain breezy into the evening. Some light precipitation may develop along and west of the mts early Thu morning as forcing from the trough convects the moisture in the boundary layer, otherwise it will remain dry. Temps will be much lower on Thursday as the trough brings colder air from the east PAC into SOCAL</p>	157
Area Forecast Discussion	4/11/2018	1402	MST	Phoenix	<p>...The Pacific storm system will dig south and advance rapidly into the western states this afternoon and evening. With the associated height falls and tightening gradient, expect breezy conditions to develop this afternoon across the lower deserts. Then strong gusty winds near 35-45kt will develop very late this afternoon through tonight in SE CA and spread east into far W-SW AZ ahead of, and with the dry cold front early Thursday. With these Wind Advisory level winds, expect areas of blowing dust to also develop with some visibilities fallig to less than 1/2 mile. The dry cold front is forecast to push through the remaining lower desert areas on Thursday with a good shot of cold air, very strong and gusty winds, and more areas of blowing dust and reduced visibilities. Expect the main stronger Wind Advisory level winds over the northern lower deserts.</p>	160

TYPE	DATE	TIME		AGENCY	DESCRIPTION	PAGE
Urgent Weather Message	4/11/2018	2043	PDT	San Diego	<p>...STRONG WEST WINDS CONTINUING OVER THE MOUNTAINS AND DESERTS THROUGH THURSDAY AFTERNOON.....A low pressure trough moving inland across California will bring strong and gusty westerly winds this evening into Thursday over the mountains and deserts...San Bernardino County Mountains-Riverside County Mountains-San Diego County Mountains-Apple and Lucerne Valleys-Coachella Valley-San Diego County Deserts-San Gorgonio Pass Near Banning-Including the cities of Big Bear City, Wrightwood, Julian, Victorville, Hesperia, Apple Valley, Indio, Palm Springs, Cathedral City, Palm Desert, Palm Desert Country, La Quinta, Coachella, Borrego Springs, and Desert Hot Springs</p> <p>...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 2 PM PDT THURSDAY...</p> <p>* Winds...West 25 to 35 mph with gusts to 60 mph. Isolated gusts to 70 mph.</p> <p>* Location...Near mountain ridge tops and along desert mountain slopes into adjacent desert areas</p> <p>* Timing...through Thursday afternoon. Strongest winds late tonight through Thursday morning. Winds will weaken during the day Thursday</p> <p>* Impacts...The winds will make driving difficult...especially for motorists with high profile vehicles. This will impact portions of Interstate 10 through the San Gorgonio Pass and the Coachella Valley...and Interstate 8 through the San Diego County mountains. In the deserts...areas of blowing dust and sand will reduce visibility at times. Watch for broken tree limbs and other debris.</p>	163
Area Forecast Discussion	4/11/2018	2120	PDT	San Diego	<p>...Winds have increased this evening with peak gusts from the mountain crests to the deserts in the 40-50 mph range. CHP reported a palm tree downed just SW of Coachella. Blowing dust was seen on visible satellite imagery as well. Thermal, after reaching a record-breaking 103F degrees today, then saw visibility drop to 1 1/4 mile in blowing dust this evening. A High Wind Warning remains in effect through Thursday at 2 PM from the mountain ridges to the deserts. However, latest WRF run shows another peak in the wind occurring over the lower deserts/Coachella Valley late afternoon-early evening on Thursday, so an extension in time of the High Wind Warning may be needed....</p>	165
Urgent Weather Message	4/11/2018	2128	MST	Phoenix	<p>Imperial County Southwest-Salton Sea-Imperial County West-Imperial Valley Including the cities of Mountain Spring, Desert Shores, Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo, Plaster City, El Centro, Calexico, Alamo, and Brawley</p> <p>...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THURSDAY...</p> <p>* AFFECTED AREA...Western Imperial County including the Imperial Valley and El Centro, the Salton Sea, and portions of Interstate 8 from El Centro west toward Ocotillo.</p> <p>* TIMING...From 6 PM this evening until 8 PM Thursday evening.</p> <p>* WINDS...West winds of 25 to 35 mph gusting to 40 to 50 mph.</p> <p>* IMPACTS...Difficult driving conditions, especially on roads closer to the mountains and any north-south oriented roads. Some areas of blowing dust may develop, limiting visibility. Unsecured objects may become airborne.</p>	168
Area Forecast Discussion	4/11/2018	2144	PDT	Phoenix	<p>....West winds have finally strengthened across southeast California this evening, with gusts up to 45 kt observed over El Centro. This will likely persist overnight before the strong winds expand eastward, in concert with a 40-50 kt 700-hPa jet becoming positioned across southern California into northeast Arizona.....</p>	173

TYPE	DATE	TIME	AGENCY	DESCRIPTION	PAGE
Area Forecast Discussion	4/12/2018	0256	MST	Phoenix A strong Pacific trough is currently moving through the Western U.S. with the southern most embedded shortwave trough moving through southern Nevada. Gusty winds have already begun across portions of southeast California, mainly mountain wave induced, and will become widespread and increase during the middle to late part of the morning. As the trough moves through the Great Basin and Desert Southwest today, the strongest wind event so far this season will occur. Wind gusts of 40-45 mph will be common this afternoon, especially north of a Gila Bend to Blythe, CA....	177
Area Forecast Discussion	4/12/2018	0316	PDT	San Diego ...Satellite imagery at 2 AM PDT showed partially masked areas of low clouds, topped by thin, higher clouds at times. No measurable rain was reported. The onshore sfc pressure gradient had ramped up significantly from yesterday and stood at 17 MBS KSN to SW NV and about 8 MBS KSN to the lower deserts. Wind gust reports indicate higher speeds over the mtns through 3 AM PDT. Peak gusts were 67 MPH through the San Gorgonio Pass and 60 MPH at Volcan Mtn in San Diego County. ...As of 08Z...The sfc low over eastern NV had reached a central pressure of 992 MBS. As the low moves east this morning, the gradient should begin to relax, however strong winds aloft will continue through the morning, supporting high wind conditions over the mtns and desert slopes into midday. A High Wind Warning remains in effect for the mts/deserts into early afternoon. Gusty northwest winds will continue to affect desert areas into the evening, but the strongest winds will likely occur this morning.	181
Urgent Weather Message	4/12/2018	0424	PDT	San Diego ...San Bernardino County Mountains-Riverside County Mountains- San Diego County Mountains -Apple and Lucerne Valleys- Coachella Valley-San Diego County Deserts -San Gorgonio Pass Near Banning-Including the cities of Big Bear City, Wrightwood, Julian, Victorville, Hesperia, Apple Valley, Indio, Palm Springs, Cathedral City, Palm Desert, Palm Desert Country, La Quinta, Coachella, Borrego Springs, and Desert Hot Springs ...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 2 PM PDT THIS AFTERNOON... * Winds ...West 25 to 35 mph with gusts to 60 mph. Isolated gusts to 70 mph. * Location ...Near mountain ridge tops and along desert mountain slopes into adjacent desert areas * Timing ...Near mountain ridge tops and along desert mountain slopes into adjacent desert areas * Impacts ...The winds will make driving difficult...especially for motorists with high profile vehicles. This will impact portions of Interstate 10 through the San Gorgonio Pass and the Coachella Vally...and Interstate 8 through the San Diego County mountains. In the deserts...areas of blowing dust and sand will reduce visibility at times. Watch for broken tree limbs and other debris.	184
Urgent Weather Message	4/12/2018	0438	MST	Phoenix Imperial County Southwest-Salton Sea-Imperial County West-Imperial Valley Including the cities of Mountain Spring, Desert Shores, Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo, Plaster City, El Centro, Calexico, Alamorio, and Brawley ...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING... * AFFECTED AREA ...Western Imperial County including the Imperial Valley and El Centro, the Salton Sea, and portions of Interstate 8 from El Centro west toward Ocotillo. * TIMING ...From now through 8 PM this evening. * WINDS ...West winds of 25 to 35 mph gusting to 40 to 50 mph. * IMPACTS ...Difficult driving conditions, especially on roads closer to the mountains and any north-south oriented roads. Some areas of blowing dust may develop, limiting visibility. Unsecured objects may become airborne.	185

TYPE	DATE	TIME		AGENCY	DESCRIPTION	PAGE
Area Forecast Discussion	4/12/2018	0500	MST	Phoenix	<p>.UPDATE... For aviation and fire weather sections... Southeast California/Southwest Arizona including KIPL and KBLH: Continued gusty west/northwest winds expected across the area through the day. Due to the nature of the wind activity, there may be lulls followed by bursts of stronger winds, which can not be reasonable reflected in TAFs. Still monitoring to see how much BLDU develops, but so far have not noted much. Winds will decrease a bit this evening across the Imperial Valley but still remain elevated along the Colorado River from Blythe northward.</p>	189
Urgent Weather Message	4/12/2018	0742	PDT	San Diego	<p>...San Bernardino County Mountains-Riverside County Mountains-San Diego County Mountains-Apple and Lucerne Valleys-Coachella Valley-San Diego County Deserts-San Gorgonio Pass Near Banning-Including the cities of Big Bear City, Wrightwood, Julian, Victorville, Hesperia, Apple Valley, Indio, Palm Springs, Cathedral City, Palm Desert, Palm Desert Country, La Quinta, Coachella, Borrego Springs, and Desert Hot Springs</p> <p>...HIGH WIND WARNING NOW IN EFFECT UNTIL 8 PM PDT THIS EVENING...</p> <p>* Winds...West 25 to 35 mph with gusts to 60 mph. Isolated gusts to 70 mph.</p> <p>* Location...Windiest locations along the mountain ridgetops and desert mountain slopes.</p> <p>* Impacts...Difficult travel, including along Interstate 15 through Cajon Pass and the Mojave Desert, Interstate 10 through San Gorgonio Pass and the Coachella Valley...and Interstate 8 through the mountains and deserts. In the deserts...blowing dust and sand could cause severe visibility restrictions. Watch for broken tree limbs and other debris.</p>	193
Area Forecast Discussion	4/12/2018	0930	PDT	San Diego	<p>Some light rain and sprinkles noted this morning mainly in Western San Diego County. Winds have been strong over the mountains and deserts and wind reports have been updated this morning. The highest wind report so far has been 84 MPH at Burns Canyon in the San Bernardino Mountains. The strong winds will continue today, and then slowly diminish this evening. The high wind warning has been extended through 8 pm. No other changes were made this morning.</p>	194
Urgent Weather Message	4/12/2018	0941	MST	Phoenix	<p>Imperial County Southwest-Salton Sea-Imperial County West-Imperial Valley Including the cities of Mountain Spring, Desert Shores, Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo, Plaster City, El Centro, Calexico, Alamorio, and Brawley</p> <p>...BLOWING DUST ADVISORY IN EFFECT UNTIL 8 PM PDT THIS EVENING...</p> <p>...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...</p> <p>The National Weather Service in Phoenix has issued a Blowing Dust Advisory, which is in effect until 8 PM PDT this evening.</p> <p>* AFFECTED AREA...Western Imperial County including the Imperial Valley and El Centro, the Salton Sea, and portions of Interstate 8 from El Centro west toward Ocotillo.</p> <p>* TIMING...From now through 8 PM this evening.</p> <p>* WINDS...West winds of 25 to 35 mph gusting to 40 to 50 mph.</p> <p>* VISIBILITY...Generally 5 to 10 miles, but occasionally lower than 1 mile in isolated dust channels.</p> <p>* Impacts...Difficult driving conditions, especially on any north-south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Motorists traveling along Interstate 8 are urged to exercise caution. Unsecured objects may also become airborne.</p>	197

TYPE	DATE	TIME		AGENCY	DESCRIPTION	PAGE
Area Forecast Discussion	4/12/2018	0952	MST	Phoenix	<p>Windy conditions have developed across the lower deserts mainly behind an advancing frontal boundary, which is delineated by a narrow line of mid and high clouds draped across central Arizona. The strongest winds so far this morning have been observed across southeastern California, where gusts have reached 35 to 40 mph. Latest GOES-16 Dust RGB is already detecting several dust channels behind the frontal boundary and a Blowing Dust Advisory has been issued for these areas. Additional dust channels/plumes are still expected to develop further east across central Arizona later this afternoon.</p>	203
Area Forecast Discussion	4/12/2018	1045	MST	Phoenix	<p>...Updated Aviation...Southeast California/Southwest Arizona including KIPL and KBLH: Gusty winds will persist into the evening with copious amounts of suspended dust impacting slantwise visibilities, and locally MVFR visibility restrictions due to BLDU. Some weakening in the gusts will occur overnight, but likely not completely abate. However, enough weakening will occur to improve BLDU. Stronger wind gusts will likely resume again by early Friday afternoon.</p>	207
Urgent Weather Message	4/12/2018	1231	MST	Phoenix	<p>Imperial County Southwest-Salton Sea-Imperial County West-Imperial Valley Including the cities of Mountain Spring, Desert Shores, Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo, Plaster City, El Centro, Calexico, Alamorio, and Brawley</p> <p>...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...</p> <p>* AFFECTED AREA...Western Imperial County including the Imperial Valley and El Centro, the Salton Sea, and portions of Interstate 8 from El Centro west toward Ocotillo.</p> <p>* TIMING...Through this evening.</p> <p>* WINDS...West winds of 25 to 35 mph gusting to 40 to 50 mph.</p> <p>* VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.</p> <p>* Impacts...Difficult driving conditions, especially on any north- south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Motorists traveling along Interstate 8 are urged to exercise caution. Unsecured objects may also become airborne.</p>	211
Urgent Weather Message	4/12/2018	1334	MST	Phoenix	<p>Imperial County Southwest-Salton Sea-Imperial County West-Imperial Valley Including the cities of Mountain Spring, Desert Shores, Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo, Plaster City, El Centro, Calexico, Alamorio, and Brawley</p> <p>...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...</p> <p>* AFFECTED AREA...Western Imperial County including the Imperial Valley and El Centro, the Salton Sea, and portions of Interstate 8 from El Centro west toward Ocotillo.</p> <p>* TIMING...Through this evening.</p> <p>* WINDS...West winds of 25 to 35 mph gusting to 40 to 50 mph.</p> <p>* VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.</p> <p>* Impacts...Difficult driving conditions, especially on any north- south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Motorists traveling along Interstate 8 are urged to exercise caution. Unsecured objects may also become airborne.</p>	218

TYPE	DATE	TIME		AGENCY	DESCRIPTION	PAGE
Urgent Weather Message	4/12/2018	1342	MST	Phoenix	<p>Imperial County Southwest-Salton Sea-Imperial County West-Imperial Valley Including the cities of Mountain Spring, Desert Shores, Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo, Plaster City, El Centro, Calexico, Alamorio, and Brawley</p> <p>...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...</p> <p>* AFFECTED AREA...Western Imperial County including the Imperial Valley and El Centro, the Salton Sea, and portions of Interstate 8 from El Centro west toward Ocotillo.</p> <p>* TIMING...Through this evening.</p> <p>* WINDS...West winds of 25 to 35 mph gusting to 40 to 50 mph.</p> <p>* VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.</p> <p>* Impacts...Difficult driving conditions, especially on any north- south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Motorists traveling along Interstate 8 are urged to exercise caution. Unsecured objects may also become airborne.</p>	226
Urgent Weather Message	4/12/2018	1349	MST	Phoenix	<p>Imperial County Southwest-Salton Sea-Imperial County West-Imperial Valley Including the cities of Mountain Spring, Desert Shores, Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo, Plaster City, El Centro, Calexico, Alamorio, and Brawley</p> <p>...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...</p> <p>* AFFECTED AREA...Western Imperial County including the Imperial Valley and El Centro, the Salton Sea, and portions of Interstate 8 from El Centro west toward Ocotillo.</p> <p>* TIMING...Through this evening.</p> <p>* WINDS...West winds of 25 to 35 mph gusting to 40 to 50 mph.</p> <p>* VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.</p> <p>* Impacts...Difficult driving conditions, especially on any north- south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Motorists traveling along Interstate 8 are urged to exercise caution. Unsecured objects may also become airborne.</p>	235
Area Forecast Discussion	4/12/2018	1350	MST	Phoenix	<p>...Weaker winds have already generated concentrated dust channels, mainly across the lower deserts of southeastern California. Latest GOES-16 Dust RGB reveals that the coverage of dust plumes has increased across the region. Visibilities will continue to decrease and conditions will deteriorate through late afternoon as skies generally become dusty and hazy. A Blowing Dust Advisory remains in effect for much of the area into this evening.</p>	244
Area Forecast Discussion	4/12/2018	1354	PDT	San Diego	<p>....Upper level trough feature will move east of SoCal through this evening Strong winds will continue through early evening but not nearly as strong.</p> <p>Winds will be gradually decreasing this evening and overnight. Through early evening, winds likely to be up to 60 mph especially in the isolated wind prone locations along mountaintops and desert slopes....</p>	248

TYPE	DATE	TIME		AGENCY	DESCRIPTION	PAGE
Urgent Weather Message	4/12/2018	1456	MST	Phoenix	<p>Imperial County Southwest-Salton Sea-Imperial County West-Imperial Valley Including the cities of Mountain Spring, Desert Shores, Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo, Plaster City, El Centro, Calexico, Alamorio, and Brawley</p> <p>...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...</p> <p>* AFFECTED AREA...Western Imperial County including the Imperial Valley and El Centro, the Salton Sea, and portions of Interstate 8 from El Centro west toward Ocotillo.</p> <p>* TIMING...Through this evening.</p> <p>* WINDS...West winds of 25 to 35 mph gusting to 40 to 50 mph.</p> <p>* VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.</p> <p>* Impacts...Difficult driving conditions, especially on any north- south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Motorists traveling along Interstate 8 are urged to exercise caution. Unsecured objects may also become airborne.</p>	251
Urgent Weather Message	4/12/2018	1505	MST	Phoenix	<p>Imperial County Southwest-Salton Sea-Imperial County West-Imperial Valley Including the cities of Mountain Spring, Desert Shores, Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo, Plaster City, El Centro, Calexico, Alamorio, and Brawley</p> <p>...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...</p> <p>* AFFECTED AREA...Western Imperial County including the Imperial Valley and El Centro, the Salton Sea, and portions of Interstate 8 from El Centro west toward Ocotillo.</p> <p>* TIMING...Through this evening.</p> <p>* WINDS...West winds of 25 to 35 mph gusting to 40 to 50 mph.</p> <p>* VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.</p> <p>* Impacts...Difficult driving conditions, especially on any north- south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Motorists traveling along Interstate 8 are urged to exercise caution. Unsecured objects may also become airborne.</p>	260
Urgent Weather Message	4/12/2018	1633	PDT	San Diego	<p>...San Bernardino County Mountains-Riverside County Mountains-San Diego County Mountains-Apple and Lucerne Valleys-Coachella Valley-San Diego County Deserts-San Gorgonio Pass Near Banning-Including the cities of Big Bear City, Wrightwood, Julian, Victorville, Hesperia, Apple Valley, Indio, Palm Springs, Cathedral City, Palm Desert, Palm Desert Country, La Quinta, Coachella, Borrego Springs, and Desert Hot Springs</p> <p>...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...</p> <p>* Winds...West 25 to 35 mph with gusts to 60 mph.</p> <p>* Location...Windiest locations along the mountain ridgetops and desert mountain slopes.</p> <p>* Impacts...Difficult travel, including along Interstate 15 through Cajon Pass and the Mojave Desert, Interstate 10 through San Gorgonio Pass and the Coachella Valley...and Interstate 8 through the mountains and deserts. In the deserts...blowing dust and sand could cause severe visibility restrictions. Watch for broken tree limbs and other debris.</p>	267

TYPE	DATE	TIME		AGENCY	DESCRIPTION	PAGE
Urgent Weather Message	4/12/2018	1655	MST	Phoenix	<p>Imperial County Southwest-Salton Sea-Imperial County West-Imperial Valley Including the cities of Mountain Spring, Desert Shores, Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo, Plaster City, El Centro, Calexico, Alamorio, and Brawley</p> <p>...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...</p> <p>* AFFECTED AREA...Western Imperial County including the Imperial Valley and El Centro, the Salton Sea, and portions of Interstate 8 from El Centro west toward Ocotillo.</p> <p>* TIMING...Through this evening.</p> <p>* WINDS...West winds of 25 to 35 mph gusting to 40 to 50 mph.</p> <p>* VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.</p> <p>* Impacts...Difficult driving conditions, especially on any north- south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Motorists traveling along Interstate 8 are urged to exercise caution. Unsecured objects may also become airborne.</p>	268
Urgent Weather Message	4/12/2018	1824	MST	Phoenix	<p>Imperial County Southwest-Salton Sea-Imperial County West-Imperial Valley Including the cities of Mountain Spring, Desert Shores, Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo, Plaster City, El Centro, Calexico, Alamorio, and Brawley</p> <p>...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...</p> <p>* AFFECTED AREA...Western Imperial County including the Imperial Valley and El Centro, the Salton Sea, and portions of Interstate 8 from El Centro west toward Ocotillo.</p> <p>* TIMING...Through this evening.</p> <p>* WINDS...West winds of 25 to 35 mph gusting to 40 to 50 mph.</p> <p>* VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.</p> <p>* Impacts...Difficult driving conditions, especially on any north- south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Motorists traveling along Interstate 8 are urged to exercise caution. Unsecured objects may also become airborne.</p>	277
Urgent Weather Message	4/12/2018	1900	MST	Phoenix	<p>Imperial County Southwest-Salton Sea-Imperial County West-Imperial Valley Including the cities of Mountain Spring, Desert Shores, Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo, Plaster City, El Centro, Calexico, Alamorio, and Brawley</p> <p>...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...</p> <p>* AFFECTED AREA...Western Imperial County including the Imperial Valley and El Centro, the Salton Sea, and portions of Interstate 8 from El Centro west toward Ocotillo.</p> <p>* TIMING...Through this evening.</p> <p>* WINDS...West winds of 25 to 35 mph gusting to 40 to 50 mph.</p> <p>* VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.</p> <p>* Impacts...Difficult driving conditions, especially on any north- south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Motorists traveling along Interstate 8 are urged to exercise caution. Unsecured objects may also become airborne.</p>	284

TYPE	DATE	TIME		AGENCY	DESCRIPTION	PAGE
Urgent Weather Message	4/12/2018	1956	PDT	San Diego	<p>...San Bernardino County Mountains-Riverside County Mountains-San Diego County Mountains-Apple and Lucerne Valleys-Coachella Valley-San Diego County Deserts-San Gorgonio Pass Near Banning-Including the cities of Big Bear City, Wrightwood, Julian, Victorville, Hesperia, Apple Valley, Indio, Palm Springs, Cathedral City, Palm Desert, Palm Desert Country, La Quinta, Coachella, Borrego Springs, and Desert Hot Springs</p> <p>...HIGH WIND WARNING WILL EXPIRE AT 8 PM PDT THIS EVENING...Winds will continue to subside across the mountains and deserts tonight. As such, the High Wind Warning will be allowed to expire at 8 PM.</p>	289
Urgent Weather Message	4/12/2018	1959	MST	Phoenix	<p>Imperial County Southwest-Salton Sea-Imperial County West-Imperial Valley Including the cities of Mountain Spring, Desert Shores, Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo, Plaster City, El Centro, Calexico, Alamorio, and Brawley</p> <p>...BLOWING DUST ADVISORY IS CANCELLED...</p> <p>...WIND ADVISORY WILL EXPIRE AT 8 PM PDT THIS EVENING...</p> <p>The National Weather Service in Phoenix has cancelled the Blowing Dust Advisory. Improvements in visibility have been occurring amidst gradually weakening winds this evening. Localized blowing dust below 5 miles may still occur in places, but the threat for dense blowing dust appears to have ended this evening....Imperial County Southeast-.....BLOWING DUST ADVISORY NOW IN EFFECT UNTIL 10 PM MST /10 PM PDT/ THIS EVENING...</p>	290
Area Forecast Discussion	4/12/2018	2009	MST	Phoenix	<p>A widespread blowing dust event across much of Arizona and southeast California appears to be winding down. Surface wind speeds have shown a gradually weakening trend at area observation sites, coinciding with general improvements in visibilities. Still can't rule out some localized dense blowing dust through the late evening, but the continued weakening trend expected in wind speeds should result in this becoming less common with time. One exception will be across southeast California and southwest Arizona, where relatively strong northwest winds continue to support plumes of denser blowing dust moving southeastward. Expect this to also die down with time, but enough dust remains to warrant extension of the Blowing Dust Advisory until 10 PM MST for these areas.</p>	294
Area Forecast Discussion	4/12/2018	2050	MST	Phoenix	<p>...Updated Aviation Discussion...Southeast California/Southwest Arizona including KIPL and KBLH: Strong winds that have been affecting KIPL today are now slowly diminishing this evening as nighttime cooling takes effect. However, breezy-gusty westerly winds are expected to persist through the night as winds aloft remain quite strong (30-40kts at 2-3k feet) as they become more northerly with time. Gusts in a 20-25kt range will resume late Friday morning, with these winds continuing into the early evening hours. Although additional reductions in sfc visibilities are not likely, leftover lofted dust will continue to create slant visibility issues. Gusty northerly winds are expected to continue at KBLH through the rest of tonight, although speeds are expected to diminish later tonight before increasing again (gusts in the 25-35kt range) Friday afternoon. Some minor blowing dust issues could continue until around midnight, with these issues returning Friday afternoon as the winds increase once again. Leftover lofted dust will continue to create slant visibility issues through the taf period as well.</p>	298
Area Forecast Discussion	4/12/2018	2100	PDT	San Diego	<p>Winds are lessening across the area overall with just a few spots such as Whitewater that are blowing strong. However, the trend will be for lessening wind and so the High Wind Warning was allowed to expire at 8 PM. A tranquil and chilly night is forecast.</p>	302

April 11 and April 12, 2018 Exceptional Event, Imperial County

Appendix A

TYPE	DATE	TIME		AGENCY	DESCRIPTION	PAGE
Area Forecast Discussion	4/13/2018	0336	MST	Phoenix	The low pressure system that brought all the wind (and in turn dust) is progressing eastward....	305
Public Information Statement	4/13/2018	0940	PDT	San Diego	Location Speed Time/Date Elevation (ft.) ...San Diego County Deserts... Ocotillo Wells (4 W) 53 MPH 0730 AM 04/12 436 Borrego Springs (7 SE) 53 MPH 0951 AM 04/12 587 Borrego Springs (3 W) 49 MPH 0730 PM 04/11 820 Julian (9 ESE) 49 MPH 0909 AM 04/12 2011 In Ko Pah 45 MPH 0930 AM 04/12 3221 Borrego Springs (9 S) 38 MPH 0130 PM 04/12 768 Borrego Springs (2 E) 36 MPH 0810 AM 04/12 720 Jacumba 36 MPH 0900 AM 04/12 2700 3 NW Borrego Springs 33 MPH 0437 AM 04/12 2175 Ocotillo Wells (3 WNW) 31 MPH 0731 AM 04/12 390 Ocotillo Wells (1 SW) 30 MPH 0948 AM 04/12 137	308

☐

425

FXUS66 KSGX 071100

AFDSGX

Area Forecast Discussion

National Weather Service San Diego CA

400 AM PDT Sat Apr 7 2018

.SYNOPSIS...

A low pressure system moving inland along the West Coast will bring more clouds and periods of stronger and gusty west winds in the mountains and deserts through tonight with a few light showers possible near the mountains of San Bernardino and Riverside Counties this afternoon and evening. Dry with warming for Sunday through Tuesday with high pressure aloft and weak offshore flow. Onshore flow will return late Tuesday with much stronger onshore flow for late Wednesday through Thursday as another low pressure system moving inland through California brings cooler and windy weather with a chance of precipitation.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO
COUNTIES...

.SHORT TERM (Today through Monday)...

A trough of low pressure will move inland through California today. This will maintain stronger onshore flow across Southern California through tonight with periods of strong gusty west winds along the desert slopes of the mountains into the deserts with strongest gusts to around 65 mph in the northern Coachella Valley below the San Geronio Pass and on the east slopes of the San Bernardino Mountains. The stronger onshore flow will spread cooling inland...but with high temperatures in the deserts remaining above average. There will also be more clouds. Significant precipitation will remain across northern and central California with small chances for a few light showers during the afternoon and evening...mainly near the mountains of San Bernardino and Riverside Counties.

For Sunday and Monday...high pressure aloft will strengthen near the West Coast with surface high pressure over the Great Basin bringing weak offshore flow with locally gusty north to northeast winds near the coastal foothills. This will bring warming on Sunday...with greater warming on Monday...especially for valley and inland coastal areas. The warmest portions of inland Orange

County and the Inland Empire could have high temperatures in the lower 90s on Monday.

&&

.LONG TERM (Tuesday through Friday)...

High pressure aloft will weaken on Tuesday with weak onshore flow returning. Cooling will begin to spread inland on Tuesday with greater cooling spreading inland on Wednesday...but with high temperatures remaining above average except for coastal areas. Some coastal low clouds could return for Tuesday night into Wednesday morning.

A low pressure system moving inland through Southern California on Wednesday night and Thursday will bring much stronger onshore flow. It will be cooler with near average high temperatures near the coast with below average high temperatures for inland areas. There are small chances for light precipitation along and west of the mountains. Winds in the mountains and deserts are expected to be stronger than today...especially in San Diego County. Stronger and gusty winds across the coastal waters will also spread inland into coastal areas.

&&

.AVIATION...

070900Z...Coast/Valleys...SCT-BKN low clouds with bases varying 1500-3000 ft MSL this morning. Higher terrain will be obscured with local surface vis below 1 mile at times. Low clouds becoming SCT-BKN with bases generally above 3000 ft MSL with isolated light showers after 18Z. Showers ending in the evening with cloud bases lowering to around 1000-2000 ft MSL tonight.

Mountains/Deserts...Areas of west surface winds 20-30 kt with gusts 35-45 kt will continue at times over the mountains/desert slopes and locally into the deserts through today. Areas of moderate up/downdrafts and LLWS are expected over and east of the mountains. Local vis below 3 miles in blowing dust/sand possible in the deserts at times. Otherwise, SCT-BKN clouds at/above 10000 ft MSL will continue through today.

&&

.MARINE...

Northwest winds with occasional gusts over 20 kt near San Clemente Island and outside of 30 nm will continue at times through Sunday. A building northwest swell will likely result in Combined seas around 6-9 ft late Sunday into Monday, highest near and south of San Clemente Island. Winds and seas will lower on Monday.

&&

.SKYWARN...

Skywarn activation is not requested. However weather spotters are encouraged to report significant weather conditions.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...Wind Advisory until 5 AM PDT Sunday for Apple and Lucerne Valleys-Coachella Valley-Riverside County Mountains-San Bernardino County Mountains-San Diego County Deserts-San Diego County Mountains-San Gorgonio Pass Near Banning.

PZ...NONE.

&&

\$\$

PUBLIC...17

AVIATION/MARINE...PG

IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

Department of Agronomy

716 Farm House Ln

Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



☐

639

FXUS66 KSGX 072016

AFDSGX

Area Forecast Discussion

National Weather Service San Diego CA

116 PM PDT Sat Apr 7 2018

.SYNOPSIS...

A low pressure trough moving inland through California will bring patchy clouds and gusty westerly winds over the mountains and deserts through tonight, with a few light showers possible over the mountains of San Bernardino and Riverside Counties. High pressure aloft and weak offshore flow on Monday will bring much warmer weather inland through Tuesday. Onshore flow will return on Tuesday, becoming stronger late Wednesday through Thursday as another low pressure system moves inland with a chance of some light precipitation.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO
COUNTIES...

Satellite imagery at midday showed areas of lower clouds filling back in along and west of the mts. Onshore sfc pressure gradients at 1 PM PDT KSAN to the deserts had increased to around 8 MBS. Peak wind gusts were mostly in the 35 to 45 MPH range in the wind-prone mtn/desert areas but should increase again later today. Strongest wind gusts to around 55 MPH occurred early this morning. A wind Advisory remains in effect for these areas through early Sunday morning.

A deep low pressure system is moving toward the PacNW and weakening today. That system has tapped a deep moisture plume that has supported substantial rain and mountain snow across the northern two-thirds of the state. As the system moves inland overnight, a few showers could reach northern portions of our CWA, but little accumulation is expected this far south. A ridge will build in its wake, briefly supporting high pressure over the Great Basin and subsequent offshore flow over SoCal on Monday. It will be much warmer inland on Mon/Tue when daytime highs are forecast to be some 15 or more degrees F above average. A sea breeze will keep coastal areas cooler. The warmest day far inland over the mts/deserts will be on Tue as 500H max out above 585 DM.

A rapid cool-down will ensue for Wed/Thu as the ridge heads east and another vigorous trough slams the West Coast. Once again, most of the rain/snow will be north of the SGX CWA, but we could get in on a few showers, and westerly winds should be quite strong over the mts/deserts. On Thursday, daytime highs inland may be as much as 12 degrees F below normal.

Another weak ridge follows in this progressive flow pattern for a modest warm-up next weekend, followed by another trough for cooling into mid-month.

&&

.AVIATION...

072000Z...Coast/Valleys...SCT-BKN clouds with bases 2000-3000 ft MSL will occur at times the rest of this afternoon, then SCT-BKN clouds with bases 1000-2000 ft MSL are possible overnight and early Sunday, with timing uncertain. Mostly clear skies will return by late Sunday morning. Most vis will remain above 6 miles through Sunday morning.

Mountains/Deserts...Areas of west surface winds 20-30 kt with gusts 35-45 kt will continue at times over the mountains/desert slopes and locally into the deserts through tonight. Areas of moderate up/downdrafts and LLWS are expected over and east of the mountains. Local surface vis below 3 miles in blowing dust/sand is possible in the deserts at times through tonight. Isolated -SHRA could occur in the San Bernardino County Mountains this afternoon/evening with SCT-BKN clouds with bases 8000-15000 ft MSL. Otherwise, SCT-BKN clouds at/above 20000 ft MSL will continue today, decreasing tonight.

&&

.MARINE...

Northwest winds with occasional gusts around or slightly above 20 kt near San Clemente Island will continue at times through Sunday. A building WNW swell will likely result in Combined seas around 6-9 ft late Sunday into Monday, highest near and south of San Clemente Island. Winds and seas will lower Monday. A large WNW swell is possible Thursday with the next trough of low pressure.

&&

.SKYWARN...

Skywarn activation is not requested. However weather spotters are encouraged to report significant weather conditions.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...Wind Advisory until 5 AM PDT Sunday for Apple and Lucerne Valleys-Coachella Valley-Riverside County Mountains-San Bernardino County Mountains-San Diego County Deserts-San Diego County Mountains-San Gorgonio Pass Near Banning.

PZ...NONE.

&&

\$\$

PUBLIC...10

AVIATION/MARINE...Maxwell

IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

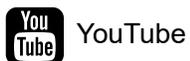
Department of Agronomy

716 Farm House Ln

Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



☐

794

FXUS65 KPSR 081003

AFDPSR

Area Forecast Discussion

National Weather Service Phoenix AZ

303 AM MST Sun Apr 8 2018

.SYNOPSIS...

Weather systems will remain well north of the area through the middle of the week resulting in dry conditions and well above normal temperatures. High temperatures in the 90s will be common across the lower deserts. The warmest days will be Tuesday and Wednesday when lower elevation desert locations may flirt with 100 degrees for the first time this year. The heat will be short lived though, as a strong but dry weather system moves in late this week and brings a period of windy and relatively cooler conditions.

&&

.DISCUSSION...

Although it may not seem like it, quite moist conditions for the first week of April are currently present over much of the region. Surface dew points have crept into the lower to even some middle 50s early this morning, around 20-25 degrees higher than 24 hrs ago. Even with all this moisture in place, clouds are hard to come by as a barely noticeable shortwave trough tracks across far northern Arizona. This will be a short-lived bump in moisture levels as much drier air is already starting to filter into southern California and southern Nevada. As the shortwave exits to the east by late morning, very dry air in the mid levels will overtake the region from west to east. By this afternoon, surface dew points will be back into the 20s in most places, more typical for this time of year.

Well above normal temperatures will last through Wednesday with gradual warming through the period. A deep Pacific low will dive southward well off the West Coast over the next couple days allowing the downstream ridge to amplify as it shifts eastward over the Western U.S. 500mb heights over the Desert Southwest will continue to be well above climo normals, even reaching 99% of climatology on Tuesday and Wednesday. Warming aloft is also seen through this period as 850mb temperatures rise from 21C to 23C. The combination of the drier air and the warming aloft will boost daytime highs roughly five degrees through Tuesday. Highs in the upper 90s will be commonplace for Tuesday and Wednesday over the

deserts with a good likelihood of a few spots hitting 100 degrees for the first time. Highs both days will have the potential of reaching or possibly even breaking daytime records in Phoenix (100 Tuesday & 98 Wednesday). Wednesday still looks like it will be the warmest day as winds will become breezy aiding vertical mixing.

The near record temperatures will come to an end Thursday as a weakening Pacific trough quickly approaches from the northwest. The bulk of the upper level energy with this system will again skirt by to our north and the region will remain rain free. A rather strong dry cold front will usher through the region on Thursday dropping highs into the middle to upper 80s. The main impact with this weather system will be the potential for strong gusty winds. This system has the potential to bring the strongest winds thus far this spring with widespread advisory level winds a good possibility. The combination of the dry air already in place and the strong winds may also lead to high fire danger conditions on Thursday.

The trough will exit the region on Friday with highs falling back to around normal levels. These cooler temperatures will likely be short-lived as ridging aloft should overtake the region into next weekend leading to highs rising closer to 90 degrees.

&&

.AVIATION...

South-Central Arizona including KPHX, KIWA, and KSDL:

Gusty winds have mostly weakened this evening across the area with the loss of diurnal heating. Still can't rule out a few sporadic gusts through 10Z. Scattered clouds with bases as low as 5 thousand feet will be possible overnight, before much drier air overspreads the region resulting mostly clear skies. Winds will remain out of the west throughout the night at KPHX, with only a brief shift out of the east anticipated at KIWA. Speeds will be more modest on Sunday compared to today.

Southeast California/Southwest Arizona including KIPL and KBLH:

Gusty west winds persist at KIPL, although reductions in visibility due to blowing dust seem to have ended. Can't rule out stronger winds persisting into early Sunday morning, but should see a general decreasing trend. Otherwise, winds will become variable in direction by Sunday afternoon at KIPL, while generally remaining out of the northwest at KBLH.

Aviation Discussion not updated for amended TAFs.

&&

.FIRE WEATHER...

Monday through Friday...

A dry warming trend will take hold as a ridge of high pressure builds in during the period. Above normal max temps will approach the 100 degree mark in the lower deserts Wednesday. Winds will generally remain light through midweek, though very breezy to windy conditions will develop again by late in the period in advance of an approaching dry weather system. Combined with the very dry conditions, this will produce elevated fire danger across the region, especially for the higher elevations of SE CA. Overnight recoveries will only be fair.

&&

.CLIMATE...

First 100F degree day statistics. Average is based on 1981-2010 normals. Period of record for Phoenix is 1895-2018 and Yuma is 1878-2017.

	Earliest	Average	Latest
Phoenix	26 March 1988	May 2	18 June 1913
Yuma	12 March 1916	April 22	13 June 1971

Additional information available at
<https://www.wrh.noaa.gov/psr/climate/FirstLastHeatDays.php>

&&

.SPOTTER INFORMATION STATEMENT...

Spotter activation will not be needed this week.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...None.

CA...None.

&&

\$\$

DISCUSSION...Kuhlman

AVIATION...Rogers

FIRE WEATHER...Sawtelle/Hirsch

☐

686

FXUS66 KSGX 081034

AFDSGX

Area Forecast Discussion

National Weather Service San Diego CA

334 AM PDT Sun Apr 8 2018

.SYNOPSIS...

High pressure aloft near the West Coast will bring a warming trend that will continue into Tuesday for the mountains and deserts. onshore flow will return on Tuesday and strengthen through Thursday as a low pressure system moves inland through Southern California on Thursday bringing cooling...strong gusty west winds in the mountains and deserts and across the coastal waters...and small chances for light precipitation near the mountains. Dry and warmer for Friday and Saturday.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE... SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO COUNTIES...

Satellite imagery shows widespread coastal stratus extending onto the lower coastal mountain slopes with some patchy drizzle overnight. Onshore flow is continuing to weaken with strongest west wind gusts to 50 mph near the ridge tops onto the desert slopes of the mountains of Riverside and San Diego Counties and in the northern Coachella valley below the San Gorgonio Pass. The winds will continue to gradually subside past sunrise.

High pressure aloft along the West Coast will strengthen through Monday. Surface high pressure over the Great Basin will bring weak offshore flow for Monday with gusty north to northeast winds near the coastal foothills in the morning.

High temperatures will begin to warm today for inland areas. Greater warming is expected for all areas on Monday with greatest warming for the valleys and inland coastal areas. Warmest high temperatures west of the mountains on Monday are expected to be in the western Inland Empire and inland Orange County with high temperatures in the lower 90s and locally into the mid 90s.

Onshore flow will return on Tuesday and strengthen into Thursday as a low pressure system moves inland through Southern California on Thursday. Some coastal stratus could return on Tuesday night

into Wednesday morning with a greater return on Wednesday night into Thursday morning with the marine layer deepening sufficiently for the low clouds to extend onto the coastal mountains. There are small chances for light precipitation...mainly on coastal slopes and for the inland valleys late Wednesday night into Thursday morning.

High temperatures will begin to cool for coastal and valley areas on Tuesday while the mountains and deserts continue to warm. That cooling will spread farther inland on Wednesday with the greatest cooling for valley and inland coastal areas. On Thursday...the greatest cooling is expected except near the coast. High temperatures will generally be around 5 degrees below average...except around 10 degrees below average in the mountains and upper deserts.

For Friday and Saturday...weaker high pressure aloft and weaker onshore flow will bring dry weather with a warming trend with high temperatures near average on Friday and around 5 degrees above average on Saturday.

&&

.AVIATION...

081000Z...Coast/Valley...BKN-OVC low clouds with bases 1200-1800 ft MSL and tops to 2200 ft MSL extending inland to the lower coastal slopes, including impacts at KONT and KSBD. Expect local vis of 1SM or less where clouds and terrain intersect, obscuring higher terrain. Clearing to the beaches likely between 16Z and 18Z.

Mountains/Deserts...West winds 20-30 KT with gusts 35-50 KT over the mountains and into the lower deserts with strong up/downdrafts and LLWS at KPSP and KTRM, weakening this morning.

&&

.MARINE...

Northwest winds with occasional gusts above 20 kt near San Clemente Island through this evening. A building WNW swell will result in combined seas of 6-9 FT late today into Monday, highest near and south of San Clemente Island. Winds and seas will lower Monday. A large WNW swell is possible Thursday.

&&

.SKYWARN...

Skywarn activation is not requested. However weather spotters are encouraged to report significant weather conditions.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...
CA...NONE.
PZ...NONE.

&&

\$\$

PUBLIC...17
AVIATION/MARINE...PG

IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

Department of Agronomy

716 Farm House Ln
Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



☐

353

FXUS66 KSGX 082031

AFDSGX

Area Forecast Discussion

National Weather Service San Diego CA

130 PM PDT Sun Apr 8 2018

.SYNOPSIS...

A high pressure ridge will move over California on Monday, temporarily shifting surface winds offshore, shrinking the marine layer, and boosting temperatures. Highs on Monday will be some 15 to 20 degrees above average. The warm weather will continue inland on Tuesday, but increasing onshore flow will cool coastal areas a bit. The onshore flow will strengthen Wednesday and Thursday with further cooling as another low pressure trough swings inland with strong, gusty westerly winds over the mountains, deserts, and coastal waters. Fair and warmer again Friday through next weekend.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO
COUNTIES...

Most of the lower clouds had evaporated over SoCal by midday leaving sunny skies. Surface pressure gradients have weakened substantially too, leaving peak wind gust reports below 25 MPH so all things considered, quite a nice April day across SoCal.

A high pressure ridge is poised off the West Coast this morning and will move inland on Monday, building sfc high pressure over the Great Basin and forcing our winds offshore. This will drive the marine layer back out to sea for the most part, and allow for rapid warming under the strong April sun. Temperatures will rise well into the 80s and even some 90s inland. A sea breeze will temper the warming a bit along the coastal strip on Monday, and more so on Tuesday as the pressure gradient flips back onshore.

Greater cooling will come midweek as another low pressure trough swings inland off the Pacific. This one should generate even stronger westerly winds over the mts/deserts than the trough yesterday. It may also spark a few light showers over our northern mts, but significant rainfall is not expected.

As the trough moves east...another ridge will build in off the Pacific with fair and warmer weather next weekend.

&&

.AVIATION...

082015Z...Coast/Valley...Mostly clear skies with unrestricted vis will prevail through Monday. Little or no stratus is expected tonight, though local northeast winds 15-20 KT with gusts 25-30 KT will occur 11Z-19Z Mon in the valleys below passes/canyons, including vcnty KSBD, KBNG, KRNM and KCZZ, along with up/downdrafts and areas of LLWS.

Mountains/Deserts...Mostly clear skies with unrestricted vis will prevail through Mon.

&&

.MARINE...

A WNW swell will result in combined seas of 6-9 FT through early Monday, highest near and south of San Clemente Island. Seas will lower Monday. A large WNW swell and strong winds are likely Thursday, with seas of 10 feet or higher and wind gusts around or a little above 30 knots, especially in the outer waters, which will be hazardous to small craft.

&&

.SKYWARN...

Skywarn activation is not requested. However weather spotters are encouraged to report significant weather conditions.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...NONE.

PZ...NONE.

&&

\$\$

PUBLIC...10

AVIATION/MARINE...Maxwell

☐

042

FXUS66 KSGX 091036

AFDSGX

Area Forecast Discussion

National Weather Service San Diego CA

336 AM PDT Mon Apr 9 2018

.SYNOPSIS...

High pressure aloft and weak offshore flow will bring much warmer weather today with gusty northeast winds near the coastal foothills through early afternoon. Weak onshore flow will return on Tuesday with cooling towards the coast. Onshore flow will strengthen for Wednesday and Thursday as a fast moving low pressure system moves through Southern California Wednesday night and Thursday. This will bring cooling...more clouds from the coast to the coastal mountain slopes...and strong gusty west winds for Wednesday night and Thursday. For Friday through next weekend...high pressure aloft and offshore flow will bring much warmer weather with periods of gusty northeast winds near the coastal foothills.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO
COUNTIES...

High pressure aloft will strengthen near the West Coast today...then weaken and move inland Tuesday as a weak trough of low pressure moves inland across Southern California late in the day. Surface high pressure over the Great Basin will bring weak offshore lower level flow across Southern California with gusty northeast winds mostly 35 mph or less near the coastal foothills and below passes and canyons through early afternoon. The high pressure aloft combined with the offshore flow will bring warmer weather today with greatest warming for coastal and valley areas with high temperatures in portions of the western Inland Empire and inland Orange County reaching the mid 90s today. Weak onshore flow will return on Tuesday. Areas near the coast will cool slightly while the mountains and deserts continue to warm.

Onshore flow will strengthen for Wednesday and Thursday as a fast moving low pressure system moves inland across Southern California Wednesday night and Thursday. Cooling will spread inland Wednesday. Thursday will be the coolest day with high temperatures 5 to locally 10 degrees below average near the mountains.

Patchy stratus is expected to return near the coast late Tuesday night into Wednesday morning near the coast and could be in the form of locally dense fog. The marine layer will deepen with low clouds spreading inland and onto the coastal mountain slopes for late Wednesday night into Thursday morning. There is a slight chance of light showers late Wednesday night into Thursday morning...mainly near the mountains of San Bernardino and Riverside Counties.

The low pressure system moving inland across Southern California Wednesday night and Thursday will bring much stronger onshore flow with stronger west to northwest winds across the coastal waters. The strongest winds are expected across the mountains and deserts with strongest gusts to around 70 mph in the windier locations.

High pressure aloft will strengthen near the West Coast on Friday and Saturday...then begin to weaken and move inland on Sunday. Surface high pressure over the Great Basin will bring periods of gusty northeast winds near the coastal foothills and below passes and canyons. Friday high temperatures will warm to near average with well above average high temperatures for next weekend in portions of the coastal and valley areas. High temperatures in the 80s could extend to near the coast on Saturday.

&&

.AVIATION...

090900Z...Clear skies and unrestricted vis today through tonight. Pockets of northeast winds will develop mainly in lee of mountains and in foothills and adjacent valleys such as in vcnty KONT. LLWS through 16Z in some places where winds do not surface, followed by northeast wind gusts of 25-30 KT 16-20Z, along with up/downrafts. Winds will decrease this afternoon.

&&

.MARINE...

Strong winds and high seas are forecast for Wednesday afternoon through Thursday evening, likely to produce hazardous conditions. Otherwise, no hazardous marine weather is expected before or after that time frame through Friday.

&&

.FIRE WEATHER...

High pressure aloft and weak offshore flow will bring much warmer weather today with much lower inland humidities and gusty northeast winds near the coastal foothills through early

afternoon. Lowest inland humidities will fall to around 5 percent during the afternoon. Strongest gusts will mostly be 35 mph or less.

Weak onshore flow will return on Tuesday with cooling towards the coast and a slight recovery for inland humidities. Onshore flow will strengthen for Wednesday and Thursday as a fast moving low pressure system moves through Southern California Wednesday night and Thursday. This will bring cooling and higher humidities with strong gusty west winds in the mountains and deserts with strongest gusts to around 70 mph.

Warm offshore flow will return for Friday through Sunday with lowest afternoon humidities of 5 to 10 percent except near the coast. There will also be periods of gusty northeast winds near the coastal foothills and below passes and canyons.

&&

.SKYWARN...

Skywarn activation is not requested. However weather spotters are encouraged to report significant weather conditions.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...NONE.

PZ...NONE.

&&

\$\$

PUBLIC/FIRE WEATHER...17

AVIATION/MARINE...MM

**IOWA STATE
UNIVERSITY**

College of Ag

Department of Agronomy

☐

758

FXUS66 KSGX 091557

AFDSGX

Area Forecast Discussion

National Weather Service San Diego CA

857 AM PDT Mon Apr 9 2018

.SYNOPSIS...

A Santa Ana pattern will bring warm, dry weather today with gusty northeast winds in the mountains and foothills through early afternoon. Tuesday will be another warm day before the weather turns windy and cooler Wednesday and Thursday as trough moves across Southern California. For Friday and Saturday high pressure aloft and offshore flow at the surface will bring warmer days and gusty northeast winds to the mountains, foothills and valleys.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO
COUNTIES...

Offshore winds have surfaced in the mountains and foothills this morning with peak gusts through 8 AM of 48 mph at Sill Hill in the San Diego County Mountains, 43 mph at Pleasants Peak in the Santa Ana Mountains, and 37 mph at Devore below the Cajon Pass. Temperatures rose quickly in those areas areas that had the Santa Ana winds this morning with 8 AM temperatures of 71 at Corona, 75 at Devore, and 77 at Highland Springs. These areas are well on their way to the 90s this afternoon.

We'll have roller coaster weather this week (not unusual for Spring) with warm, dry weather today and tomorrow, followed by windy, cooler weather Wednesday and Thursday. This will be followed by more warm, dry Santa Ana weather conditions Friday and Saturday. Here are the details from the night shifters discussion which covered it quite well.

From Previous Discussion

High pressure aloft will strengthen near the West Coast today...then weaken and move inland Tuesday as a weak trough of low pressure moves inland across Southern California late in the day. Surface high pressure over the Great Basin will bring weak offshore lower level flow across Southern California with gusty northeast winds mostly 35 mph or less near the coastal foothills

and below passes and canyons through early afternoon. The high pressure aloft combined with the offshore flow will bring warmer weather today with greatest warming for coastal and valley areas with high temperatures in portions of the western Inland Empire and inland Orange County reaching the mid 90s today. Weak onshore flow will return on Tuesday. Areas near the coast will cool slightly while the mountains and deserts continue to warm.

Onshore flow will strengthen for Wednesday and Thursday as a fast moving low pressure system moves inland across Southern California Wednesday night and Thursday. Cooling will spread inland Wednesday. Thursday will be the coolest day with high temperatures 5 to locally 10 degrees below average near the mountains.

Patchy stratus is expected to return near the coast late Tuesday night into Wednesday morning near the coast and could be in the form of locally dense fog. The marine layer will deepen with low clouds spreading inland and onto the coastal mountain slopes for late Wednesday night into Thursday morning. There is a slight chance of light showers late Wednesday night into Thursday morning...mainly near the mountains of San Bernardino and Riverside Counties.

The low pressure system moving inland across Southern California Wednesday night and Thursday will bring much stronger onshore flow with stronger west to northwest winds across the coastal waters. The strongest winds are expected across the mountains and deserts with strongest gusts to around 70 mph in the windier locations.

High pressure aloft will strengthen near the West Coast on Friday and Saturday...then begin to weaken and move inland on Sunday. Surface high pressure over the Great Basin will bring periods of gusty northeast winds near the coastal foothills and below passes and canyons. Friday high temperatures will warm to near average with well above average high temperatures for next weekend in portions of the coastal and valley areas. High temperatures in the 80s could extend to near the coast on Saturday.

&&

.AVIATION...

091545Z...Clear skies and unrestricted visibility will prevail today through Tuesday. Pockets of northeast winds will impact areas from the coastal mountain slopes into parts of the Inland Empire with gusts of 25-30 KT 16-20Z, along with up/downdrafts. Winds will decrease this afternoon.

&&

.MARINE...

Strong winds and high seas are forecast for Wednesday afternoon through Thursday evening, likely to produce hazardous conditions. Otherwise, no hazardous marine weather is expected before or after that time frame through Friday.

&&

.FIRE WEATHER...

High pressure aloft and weak offshore flow will bring much warmer weather today with much lower inland humidities and gusty northeast winds near the coastal foothills through early afternoon. Lowest inland humidities will fall to around 5 percent during the afternoon. Strongest gusts will mostly be 35 mph or less.

Weak onshore flow will return on Tuesday with cooling towards the coast and a slight recovery for inland humidities. Onshore flow will strengthen for Wednesday and Thursday as a fast moving low pressure system moves through Southern California Wednesday night and Thursday. This will bring cooling and higher humidities with strong gusty west winds in the mountains and deserts with strongest gusts to around 70 mph.

Warm offshore flow will return for Friday through Sunday with lowest afternoon humidities of 5 to 10 percent except near the coast. There will also be periods of gusty northeast winds near the coastal foothills and below passes and canyons.

&&

.SKYWARN...

Skywarn activation is not requested. However weather spotters are encouraged to report significant weather conditions.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...NONE.

PZ...NONE.

&&

\$\$

PUBLIC...Moede/17

FIRE WEATHER...17

AVIATION/MARINE...Gregoria

☐

018

WWUS76 KSGX 091956

NPWSGX

URGENT - WEATHER MESSAGE

National Weather Service San Diego CA

1256 PM PDT Mon Apr 9 2018

CAZ055-056-058-060>062-065-100400-

/O.NEW.KSGX.HW.A.0002.180411T2000Z-180413T0500Z/

San Bernardino County Mountains-Riverside County Mountains-

San Diego County Mountains-Apple and Lucerne Valleys-

Coachella Valley-San Diego County Deserts-

San Geronio Pass Near Banning-

Including the cities of Crestline, Lake Arrowhead, Big Bear City,

Big Bear Lake, Running Springs, Wrightwood, Idyllwild-Pine Cove,

Julian, Pine Valley, Victorville, Hesperia, Apple Valley, Indio,

Palm Springs, Cathedral City, Palm Desert, Palm Desert Country,

La Quinta, Coachella, Borrego Springs, Banning,

and Desert Hot Springs

1256 PM PDT Mon Apr 9 2018

...HIGH WIND WATCH IN EFFECT FROM WEDNESDAY AFTERNOON THROUGH THURSDAY EVENING...

The National Weather Service in San Diego has issued a High Wind Watch...which is in effect from Wednesday afternoon through Thursday evening.

* Winds...West winds 20 to 35 mph with gusts from 60 to 70 mph,

* Location...Strongest winds will surface on the eastern mountains slopes and into the deserts Wednesday night through Thursday.

* Impacts...These strong winds will make driving difficult for high profile vehicles. Watch for broken tree limbs and downed power lines. In the deserts...blowing dust and sand could reduce visibilities.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A High Wind Watch means there is the potential for a hazardous high wind event. Sustained winds of at least 40 mph...or gusts of 58 mph or stronger may occur. Continue to monitor the latest forecasts.

&&

☐

558

FXUS65 KPSR 092050

AFDPSR

Area Forecast Discussion

National Weather Service Phoenix AZ

150 PM MST Mon Apr 9 2018

.SYNOPSIS...

Strong high pressure through Wednesday will bring well above normal temperatures to the region. High temperatures in the middle 90s today and in the upper 90s Tuesday and Wednesday will be common across the lower deserts. A strong but dry weather system will then move through on Thursday bringing a period of windy and relatively cooler conditions through Friday. Increasing high pressure and a rebound in temperatures is likely for the weekend.

&&

.DISCUSSION...

Visible satellite imagery this afternoon is showing clear skies over our forecast area although a band of high clouds is about to move into southeast California and some smoke from southern Coconino County may be moving into Maricopa and Yavapai counties. Humidity levels are low with many locations showing dew points in the teens.

Northwest flow aloft, associated with a ridge offshore is helping elevate temps across the region with high 90s expected across many locations Tuesday and Wednesday. By Wednesday a significant change will take place as a strong low pressure trough swings through the western U.S. This will drop heights significantly and also increase winds due to the higher pressure gradient. The stronger winds will present a danger from blowing dust beginning late Wednesday through Friday. No precipitation is expected for our forecast area from this weather system. Temps will cool significantly with highs down into the lower 80s. However, after this system passes we will see another high pressure ridge build back in with an associated rise in temps again early next week.

&&

.PREVIOUS DISCUSSION...

Heights and temperatures aloft will quickly rebound today into Tuesday as a high amplitude ridge shifts from the West Coast today

into the Interior West on Tuesday. The timing of the ridge axis has shifted a bit earlier with the axis moving through the Desert Southwest on Tuesday. High temperatures today will add a few degrees onto Sunday's readings with the lower deserts easily hitting the middle 90s. With the earlier timing of the ridge axis, Tuesday's forecast highs are now essentially the same as Wednesday's. Heights aloft will lower slightly into Wednesday, but temperatures will be maintained as winds increase ahead of the approaching trough just off the West Coast. The likelihood of reaching 100 degrees either Tuesday or Wednesday has gone down a bit over the past couple days, but it is still possible for the warmest desert spots, just not widespread.

The heat is forecast to abate starting Thursday as the Pacific trough quickly passes through the region with the main portion of the trough passing through the Great Basin and far northern Arizona. A slight uptick in moisture ahead of the system late Wednesday into early Thursday will get pushed out of Arizona by Thursday afternoon leaving low humidities and windy conditions into the evening hours. It is likely a good portion of the CWA will need Wind Advisories and possibly some Fire Weather headlines due to the windy and increasingly dry conditions. Highs on Thursday will drop a good 10-15 degrees from Wednesday's, nearing seasonal normals.

By Friday morning, the trough is forecast to have moved into New Mexico, but breezy to windy conditions will likely persist, especially across the Lower Colorado River Valley. The airmass behind this exiting trough is forecast to be quite dry with afternoon surface dew points dipping into the single digits Friday afternoon. The very dry air and continued windy conditions will likely create additional fire weather concerns across the Lower Colorado River Valley for Friday afternoon/early evening. On a positive note, highs Friday will dip even further with readings likely only topping out into the lower 80s across the deserts.

Another strong ridge is likely to affect the Western U.S. for the coming weekend. 500mb heights are currently forecast to build back closer to 585dm by Sunday over portions of the Desert Southwest. After the slightly below normal temperatures on Friday, temperatures should quickly rebound starting Saturday with 90+ degree highs likely starting Sunday.

&&

.AVIATION...

South-Central Arizona including KPHX, KIWA, and KSDL and Southeast California/Southwest Arizona including KIPL and KBLH:

Mostly light to light and variable winds favoring typical diurnal shifts are expected across most of the region today along with no aviation concerns. However, KBLH can expect some gusty northerly winds Monday afternoon and evening with a few gusts near 16-21kt. Skies will remain clear to mostly clear with only occasional few-
sct cirrus.

Aviation Discussion not updated for amended TAFs.

&&

.FIRE WEATHER...

Wednesday through Sunday...

Breezy winds will develop area wide on Wednesday, becoming windy on Thursday, as a dry weather system moves through the area. Humidity values will be quite low, down into the single digits, both days. Combined with the dry antecedent conditions, there will be an elevated fire danger. Breezy conditions will persist into Friday along the Colorado River valley. Subsequent shifts will determine if confidence is high enough on time and location to issue a fire weather watch. After Friday, some modest winds may continue into the weekend with low humidity values persisting.

&&

.CLIMATE...

First 100F degree day statistics. Average is based on 1981-2010 normals. Period of record for Phoenix is 1895-2018 and Yuma is 1878-2017.

	Earliest	Average	Latest
Phoenix	26 March 1988	May 2	18 June 1913
Yuma	12 March 1916	April 22	13 June 1971

Additional information available at
<https://www.wrh.noaa.gov/psr/climate/FirstLastHeatDays.php>

&&

.SPOTTER INFORMATION STATEMENT...

Spotter activation will not be needed this week.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...None.

CA...None.

☐

675

FXUS66 KSGX 092051

AFDSGX

Area Forecast Discussion

National Weather Service San Diego CA

150 PM PDT Mon Apr 9 2018

.SYNOPSIS...

Weak high pressure aloft will bring another warm day Tuesday before the weather turns windy and cooler Wednesday and Thursday as trough moves across the state. A High Wind Watch has been issued for the mountains and deserts from Wednesday afternoon through Thursday evening. On Friday and Saturday high pressure aloft will bring back warmer days with gusty northeast winds to the mountains, foothills and valleys.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO
COUNTIES...

Ramona shattered their record high today with a temperature of 97 degrees at 12:03 PM. The old record was 90 set in 2014. Alpine set a record high too, with 91 breaking their old record of 90 also set in 2014. Our offshore Santa Ana weather pattern today will shift back onshore tomorrow afternoon, so the coastal and valley temperatures will not be quite as warm as today, but still way above average. The Mountains and Deserts will likely be warmer though with highs approaching 100 in the Lower Deserts like PSP, TRM and Borrego Springs.

Peak Santa Ana wind gusts today included 48 mph at Sill Hill in the San Diego County Mountains, 44 mph at Pleasants Peak in the Santa Ana Mountains, and 43 mph at Highland Springs in Riverside County.

The warmth of today and tomorrow will take a downward turn Wednesday and Thursday, especially on Thursday with the passage of a strong Pacific trough. Coastal and Valley highs that day will only be in the 60s and low 70s, mountain highs will be in the 40s and 50s, High Desert highs in the 60s and Lower Desert highs around 80.

Of greatest impact though will be the strong westerly winds. The winds start to pick up Wednesday afternoon in the mountains and deserts, and peak Wednesday night and Thursday with impressive 50-70 kt 850 mb winds over mountains. Cresting mountains waves down the

eastern mountain slopes will reach the desert floor in some areas, and there is the potential for some damage from downed trees and power lines. A High Wind Watch will be in effect from 1 PM Wednesday to 9 PM Thursday.

This will be a dry trough and the chances for precipitation are slim, with small chances primarily Wednesday night into Thursday morning near the mountains of San Bernardino and Riverside Counties. Marine layer stratus will return to the coast late Tuesday night into Wednesday morning for locally dense fog. The marine layer will deepen with low clouds spreading inland and onto the coastal mountain slopes for late Wednesday night into Thursday morning.

High pressure aloft will strengthen near the West Coast on Friday and Saturday...then begin to weaken and move inland on Sunday. Surface high pressure over the Great Basin will bring periods of gusty northeast winds near the coastal foothills and below passes and canyons. Friday high temperatures will warm to near average with well above average high temperatures for next weekend in portions of the coastal and valley areas. High temperatures in the 80s could extend to near the coast on Saturday.

&&

.AVIATION...

092045Z...VFR will prevail everywhere through Tuesday. The sky will be mostly clear under a few high clouds. Visibility will be unrestricted.

&&

.MARINE...

Strong winds and high seas are forecast for Wednesday afternoon through Thursday evening, likely to produce hazardous conditions. Otherwise, no hazardous marine weather is expected before or after that time frame through Friday.

&&

.FIRE WEATHER...

Continued warm and dry Tuesday with only minor humidity recovery as the flow turns onshore in the afternoon. Stronger onshore flow Wednesday and Thursday will bring higher humidities west of the mountains, but the strong winds of 20-30 mph with gusts over 50 mph in the mountains and deserts Wednesday night through Thursday will elevate fire weather concerns somewhat.

Warmer Friday and Saturday with offshore flow bringing lower

humidities of 5-10% and gusty Santa Ana winds back to the mountains and foothills.

&&

.SKYWARN...

Skywarn activation is not requested. However weather spotters are encouraged to report significant weather conditions.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...High Wind Watch from Wednesday afternoon through Thursday evening for Apple and Lucerne Valleys-Coachella Valley-Riverside County Mountains-San Bernardino County Mountains-San Diego County Deserts-San Diego County Mountains-San Gorgonio Pass Near Banning.

PZ...NONE.

&&

\$\$

PUBLIC/FIRE WEATHER...Moede

AVIATION/MARINE...Gregoria

IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

Department of Agronomy

716 Farm House Ln

Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone

☐

503

WWUS76 KSGX 100435

NPWSGX

URGENT - WEATHER MESSAGE

National Weather Service San Diego CA

935 PM PDT Mon Apr 9 2018

...STRONG WEST WINDS WEDNESDAY AND THURSDAY...

.A trough of low pressure moving inland across California will generate strong, gusty winds over the mountain crests, desert mountain slopes, and into portions of the deserts Wednesday afternoon through Thursday evening.

CAZ055-056-058-060>062-065-101300-

/O.CON.KSGX.HW.A.0002.180411T2000Z-180413T0500Z/

San Bernardino County Mountains-Riverside County Mountains-

San Diego County Mountains-Apple and Lucerne Valleys-

Coachella Valley-San Diego County Deserts-

San Gorgonio Pass Near Banning-

Including the cities of Crestline, Lake Arrowhead, Big Bear City,

Big Bear Lake, Running Springs, Wrightwood, Idyllwild-Pine Cove,

Julian, Pine Valley, Victorville, Hesperia, Apple Valley, Indio,

Palm Springs, Cathedral City, Palm Desert, Palm Desert Country,

La Quinta, Coachella, Borrego Springs, Banning,

and Desert Hot Springs

935 PM PDT Mon Apr 9 2018

...HIGH WIND WATCH REMAINS IN EFFECT FROM WEDNESDAY AFTERNOON THROUGH THURSDAY EVENING...

* Winds...West winds 25 to 40 mph with gusts 60 to 70 mph,

* Location...Strongest winds on the eastern mountains slopes, through the San Gorgonio Pass, and where mountain waves surface in the deserts.

* Impacts...These strong winds will make driving difficult for high profile vehicles, especially along I-8 and I-10. Minor damage to trees and loose outdoor objects possible. Blowing dust and blowing sand will locally reduce visibility in the deserts.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A High Wind Watch means there is the potential for a hazardous high wind event. Sustained winds of at least 40 mph...or gusts

of 58 mph or stronger may occur. Continue to monitor the latest forecasts.

&&

\$\$

SS

IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

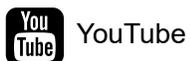
Department of Agronomy

716 Farm House Ln

Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



Copyright © 2001-2019

Iowa State University

of Science and Technology

All rights reserved.

☐

473

WWUS76 KSGX 100953

NPWSGX

URGENT - WEATHER MESSAGE

National Weather Service San Diego CA

253 AM PDT Tue Apr 10 2018

...STRONG WEST WINDS FOR THE MOUNTAINS AND DESERTS FOR LATE WEDNESDAY INTO THURSDAY EVENING...

.A fast moving low pressure system moves inland across Southern California Wednesday night and Thursday will bring periods of strong gusty west winds to the mountains and deserts for late Wednesday into Thursday evening.

CAZ055-056-058-060>062-065-102145-

/O.CON.KSGX.HW.A.0002.180411T2000Z-180413T0500Z/

San Bernardino County Mountains-Riverside County Mountains-

San Diego County Mountains-Apple and Lucerne Valleys-

Coachella Valley-San Diego County Deserts-

San Gorgonio Pass Near Banning-

Including the cities of Big Bear City, Wrightwood, Julian, Victorville, Hesperia, Apple Valley, Indio, Palm Springs, Cathedral City, Palm Desert, Palm Desert Country, La Quinta, Coachella, Borrego Springs, and Desert Hot Springs

253 AM PDT Tue Apr 10 2018

...HIGH WIND WATCH REMAINS IN EFFECT FROM WEDNESDAY AFTERNOON THROUGH THURSDAY EVENING...

* Winds...Areas of west winds 25 to 35 mph with gusts to 60 mph. Isolated gusts to 75 mph.

* Location...Near mountain ridge tops and along desert mountain slopes into adjacent desert areas.

* Timing...The winds will strengthen Wednesday afternoon and evening...with the strongest winds expected for late Wednesday night through Thursday morning.

* Impacts...The winds will make driving difficult...especially for motorists with high profile vehicles. This will impact portions of Interstate 10 through the San Gorgonio Pass and the Coachella Valley...and Interstate 8 through the San Diego County mountains. In the deserts...areas of blowing dust and sand will reduce visibility at times. Watch for broken tree limbs and other

debris.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A High Wind Watch means there is the potential for a hazardous high wind event. Sustained winds of at least 40 mph...or gusts of 58 mph or stronger may occur. Continue to monitor the latest forecasts.

&&

\$\$

17

IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

Department of Agronomy

716 Farm House Ln

Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone

 Facebook

 Twitter

 Github

 YouTube

 RSS

☐

450

FXUS65 KPSR 100955

AFDPSR

Area Forecast Discussion

National Weather Service Phoenix AZ

255 AM MST Tue Apr 10 2018

.SYNOPSIS...

Strong high pressure through Wednesday will bring well above normal temperatures to the region. High temperatures will reach into the upper 90s today and Wednesday across the lower deserts. A strong but dry weather system will then move through Thursday into early Friday bringing a period of windy and relatively cooler conditions through Friday. Increasing high pressure and a rebound in temperatures is likely for the weekend.

&&

.DISCUSSION...

A high amplitude ridge axis is currently situated over southeast California into Nevada with 500mb heights of near 585dm (99% of climo) over southern portions of the Desert Southwest. As the ridge axis continues to progress east today, temperatures will warm a bit more over Monday's highs resulting in the warmest temperatures so far this spring. Highs today will mostly reach into the upper 90s over the lower deserts, or roughly 15 degrees above seasonal normals and close to the daily records. Similar temperatures will occur again on Wednesday even though the ridge axis will have already transitioned to the east. Some high clouds are likely for Wednesday, but at this point they will likely not hinder temperatures much. Temperatures aloft are maintained Tuesday into Wednesday and an increase in winds Wednesday will help to overcome any loss in heating due to high clouds.

A significant, but dry Pacific trough is forecast to move onshore late Wednesday and then progress through the Great Basin and the Desert Southwest on Thursday. Most of the shortwave energy will miss us to the north, but we will still see a strong dry cold front move through early Thursday. The main impact for Thursday will be the strong winds with widespread gusts likely exceeding 35mph during the afternoon and early evening. These strong winds will likely lead to at least patchy blowing dust and increase fire danger across the region. A Fire Weather Watch is currently in effect for Thursday afternoon into the evening. The cold front will allow for a good 15 degree temperature drop on Thursday with highs mostly in the lower 80s over the deserts.

Windy conditions will likely be a problem again on Friday as models have slowed down the exiting of the trough a bit. Strong northerly winds Friday should again bring gusty winds exceeding 35 mph in many areas, especially from Phoenix westward. These strong winds and the continued dry conditions should lead to another day of high fire danger over much of the area. Model consensus shows a bit stronger cold push behind the exiting trough than previous runs, so forecast highs on Friday have been lowered a few degrees into the upper 70s over most of the lower deserts.

Heights and temperatures aloft will begin to recover starting late Friday and continue to rise through Sunday as another ridge axis moves through the region. This will result in highs reaching into the middle 80s on Saturday and around 90 for Sunday. Low model spread remains through early next week as another Pacific trough is forecast to move through the Great Basin, likely on Monday. This should bring a return to at least breezy conditions on Monday and eventually dropping temperatures back closer to normals starting next Tuesday.

&&

.AVIATION...

South-Central Arizona including KPHX, KIWA, and KSDL and Southeast California/Southwest Arizona including KIPL and KBLH:

There are few aviation weather concerns tonight through tomorrow. The winds will remain fairly light and follow typical diurnal tendencies.

Aviation Discussion not updated for amended TAFs.

&&

.FIRE WEATHER...

Thursday through Monday...

Dry and windy conditions will spread throughout the region Thursday as a dry weather system moves across the area creating dangerous fire weather conditions and a good chance of a Red Flag warning on Thursday. Consequently, a Fire Weather Watch will be issued for most fire zones for Thursday afternoon to early evening. Strong westerly winds on Thursday at 18-24mph gusting to 28-35mph are expected. Lingering elevated fire danger is also expected on Friday as breezy to windy conditions remain in the area. Min RH values will remain in the single digits with poor overnight recovery expected through the weekend and early next week.

&&

.CLIMATE...

First 100F degree day statistics. Average is based on 1981-2010 normals. Period of record for Phoenix is 1895-2018 and Yuma is 1878-2017.

	Earliest	Average	Latest
Phoenix	26 March 1988	May 2	18 June 1913
Yuma	12 March 1916	April 22	13 June 1971

Additional information available at
<https://www.wrh.noaa.gov/psr/climate/FirstLastHeatDays.php>

&&

.SPOTTER INFORMATION STATEMENT...

Spotter activation will not be needed this week.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...Fire Weather Watch from Thursday afternoon through Thursday evening for AZZ131>133.

CA...Fire Weather Watch from Thursday afternoon through Thursday evening for CAZ230>232.

&&

\$\$

DISCUSSION...Kuhlman
 AVIATION...Deemer
 FIRE WEATHER...Sawtelle



College of Ag
 Department of Agronomy

☐

610

WWUS76 KSGX 100959

NPWSGX

URGENT - WEATHER MESSAGE

National Weather Service San Diego CA

259 AM PDT Tue Apr 10 2018

...STRONG WEST WINDS FOR THE MOUNTAINS AND DESERTS FOR LATE WEDNESDAY INTO THURSDAY EVENING...

.A fast moving low pressure system moving inland across Southern California Wednesday night and Thursday will bring periods of strong gusty west winds to the mountains and deserts for late Wednesday into Thursday evening.

CAZ055-056-058-060>062-065-102130-

/O.CON.KSGX.HW.A.0002.180411T2000Z-180413T0500Z/

San Bernardino County Mountains-Riverside County Mountains-

San Diego County Mountains-Apple and Lucerne Valleys-

Coachella Valley-San Diego County Deserts-

San Gorgonio Pass Near Banning-

Including the cities of Big Bear City, Wrightwood, Julian,

Victorville, Hesperia, Apple Valley, Indio, Palm Springs,

Cathedral City, Palm Desert, Palm Desert Country, La Quinta,

Coachella, Borrego Springs, and Desert Hot Springs

259 AM PDT Tue Apr 10 2018

...HIGH WIND WATCH REMAINS IN EFFECT FROM WEDNESDAY AFTERNOON THROUGH THURSDAY EVENING...

* Winds...Areas of west winds 25 to 35 mph with gusts to 60 mph. Isolated gusts to 75 mph.

* Location...Near mountain ridge tops and along desert mountain slopes into adjacent desert areas.

* Timing...The winds will strengthen Wednesday afternoon and evening with the strongest winds expected for late Wednesday night through Thursday morning.

* Impacts...The winds will make driving difficult...especially for motorists with high profile vehicles. This will impact portions of Interstate 10 through the San Gorgonio Pass and the Coachella Valley...and Interstate 8 through the San Diego County mountains. In the deserts...areas of blowing dust and sand will reduce visibility at times. Watch for broken tree

limbs and other debris.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A High Wind Watch means there is the potential for a hazardous high wind event. Sustained winds of at least 40 mph...or gusts of 58 mph or stronger may occur. Continue to monitor the latest forecasts.

&&

\$\$

17

IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

Department of Agronomy

716 Farm House Ln

Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone

 Facebook

 Twitter

 Github

 YouTube

 RSS

☐

219

FXUS66 KSGX 101113

AFDSGX

Area Forecast Discussion

National Weather Service San Diego CA

329 AM PDT Tue Apr 10 2018

.SYNOPSIS...

Onshore flow will strengthen spreading cooling inland through Thursday. Patchy fog may return near the San Diego County coast through early this morning with more widespread low clouds and locally dense fog developing tonight and spreading into the mesas and far western valleys in San Diego County for late tonight into Wednesday morning. A fast moving low pressure system moving inland across Southern California Wednesday night into Thursday will also bring strong gusty west winds in the mountains and deserts with a slight chance of light showers along and west of the mountains. Warmer and dry for Friday through Sunday with high pressure aloft and weak offshore flow with periods of gusty northeast winds near the coastal foothills for Friday into Saturday morning.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO
COUNTIES...

.SHORT TERM (Today through Thursday)...

A weak trough of low pressure will move inland across Southern California late this afternoon and evening spreading some high clouds across the area today. Satellite imagery shows some patchy stratus just off the northern Baja coast extending northward to just off Imperial Beach in far southern San Diego County. Patchy fog may return near the San Diego County coast through early this morning with more widespread low clouds and locally dense fog developing tonight and spreading into the mesas and far western valleys in San Diego County for late tonight into Wednesday morning.

With a return of weak onshore flow...cooling will begin to spread inland from the coast. The cooling will continue on Wednesday into Thursday with Thursday expected to be the coolest day. Greater deepening of the marine layer is expected for Wednesday night into Thursday morning with small chances for light showers along and west of the mountains for late Wednesday night into

Thursday morning. Much stronger onshore flow will bring stronger and gusty west winds for the mountains and deserts for late Wednesday into Thursday evening. There will also be stronger and gusty west to northwest winds across the coastal waters.

&&

.LONG TERM (Friday through Monday)...

High pressure aloft will strengthen near the West Coast for Friday into Saturday...then weaken and move inland on Sunday with a low pressure system moving inland across California on Monday. This will bring dry weather with warming for Friday into Saturday with weak offshore lower level flow bringing periods of gusty northeast winds near the coastal foothills at times for Friday into Saturday. Cooling will begin to spread inland on Sunday with greater cooling on Monday with stronger and gusty west winds in the mountains and deserts for Sunday night into Monday night. There is also a slight chance for showers toward the mountains for Monday afternoon and evening.

&&

.AVIATION...

101000Z...Scattered high clouds and unrestricted vis today and tonight. A patch or two of fog near KSAN through 16Z this morning. Bases around 400 feet msl and vis 2-5sm. Patchy fog will redevelop along the coast most likely in vcnty KSAN after 06Z early Wednesday morning. Bases would be around 500 feet msl and vis below 3sm.

&&

.MARINE...

Winds and seas will increase Wednesday and continue through Thursday. Hazardous winds and seas are likely over all coastal waters, and gales are possible in the outer waters Wednesday afternoon through Thursday evening. Winds will diminish Thursday night, and seas will gradually subside Friday.

&&

.SKYWARN...

Skywarn activation is not requested. However weather spotters are encouraged to report significant weather conditions.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...High Wind Watch from Wednesday afternoon through Thursday evening for Apple and Lucerne Valleys-Coachella Valley-

Riverside County Mountains-San Bernardino County Mountains-
San Diego County Deserts-San Diego County Mountains-San
Gorgonio Pass Near Banning.

PZ...NONE.

&&

\$\$

PUBLIC...17

AVIATION/MARINE...MM

IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

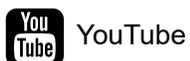
Department of Agronomy

716 Farm House Ln

Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



☐

754

FXUS66 KSGX 101651

AFDSGX

Area Forecast Discussion

National Weather Service San Diego CA

945 AM PDT Tue Apr 10 2018

.SYNOPSIS...

Today will be another warm day under weak high pressure aloft. Low clouds and locally dense fog will develop near the coast tonight and spreading into the mesas and far western valleys through Wednesday morning. A strong trough of low pressure will bring cooler, windy weather Wednesday afternoon through Thursday. There will also be a slight chance for light showers along and west of the mountains. Dry and warmer Friday and Saturday with high pressure aloft and gusty northeast winds in the mountains and foothills.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO
COUNTIES...

Temperatures this morning were running a few degrees higher than yesterday, and it will end up being another very warm afternoon all across Southern California. Record highs are within reach at Ramona (89), Palm Springs (101), and Thermal (99).

High clouds associated with a weak trough of low pressure will drift overhead today. A shallow marine layer will return to the coastal waters tonight with more widespread low cloud coverage spreading about 10 miles inland through Wednesday morning. Areas of dense fog are possible for the morning commute.

Cooler on Wednesday with greater cooling and strong winds Wednesday night into Thursday with the passage of a strong trough. This will be a wind event more than a rain event with only slight chances for light showers along and west of the mountains. Strong west winds will impact all areas from the coastal waters to the deserts. A High Wind Watch is in effect for the mountains and deserts for 20-35 mph winds gusting to 50-70 mph in the most wind prone eastern mountains slopes and desert areas. It will be a windy day at the coast and over the coastal waters Thursday with 15-25 mph winds gusting to 30 mph.

From Previous Discussion

.LONG TERM (Friday through Monday)...

High pressure aloft will strengthen near the West Coast for Friday into Saturday...then weaken and move inland on Sunday with a low pressure system moving inland across California on Monday. This will bring dry weather with warming for Friday into Saturday with weak offshore lower level flow bringing periods of gusty northeast winds near the coastal foothills at times for Friday into Saturday. Cooling will begin to spread inland on Sunday with greater cooling on Monday with stronger and gusty west winds in the mountains and deserts for Sunday night into Monday night. There is also a slight chance for showers toward the mountains for Monday afternoon and evening.

&&

.AVIATION...

101530Z...Coast...SCT high clouds AOA 20000 ft MSL and unrestricted visibility through 05Z Wednesday. Areas of fog/low clouds building along the coast after 05Z. Look for bases between 200 and 600 ft MSL. FG near higher coastal terrain may reduce visibility to 1/4 sm or less at times between 05Z and 15Z Wednesday, with BR/HZ producing 2-5 sm visibility elsewhere. Impacts possible at KSAN, KCRQ and KSNA. Increasing bases and visibility after 15Z should remove the fog potential, but SCT-BKN low clouds should linger and spread inland through the day.

Valleys, Mountains & Deserts....A few low clouds may sneak into the valleys between 09Z and 15Z Wednesday. Otherwise, SCT high clouds AOA 20000 ft MSL and unrestricted visibility through 18Z Wednesday.

&&

.MARINE...

Strong northwest winds are anticipated Wednesday-Thursday night, along with hazardous conditions for small craft. Peak winds gusts Wednesday should be around 25 kt, and will predominantly occur outside of 20 NM. Stronger wind gusts expected Thursday, with 20 kt gusts affecting all areas, and peak gusts near 35 knots outside of 20 NM. An increasing short period northwest swell will accompany the winds. Look for combined seas of 4-9 ft Wednesday, increasing to 7-14 ft Thursday, then decreasing to 4-9 ft Friday (highest seas near and south of San Clemente Island). Seas and winds will decrease over the weekend, but another round of potentially hazardous seas/winds is possible early next week.

&&

.BEACHES...

A building short period northwest wind swell (5-9 ft at 9 to 11 sec) will bring sloppy surf conditions Thursday and Friday. High surf conditions are not anticipated at this time. However widespread 5-6 ft surf is likely, with isolated 7 ft sets in San Diego County

&&

.SKYWARN...

Skywarn activation is not requested. However weather spotters are encouraged to report significant weather conditions.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...High Wind Watch from Wednesday afternoon through Thursday evening for Apple and Lucerne Valleys-Coachella Valley-Riverside County Mountains-San Bernardino County Mountains-San Diego County Deserts-San Diego County Mountains-San Gorgonio Pass Near Banning.

PZ...NONE.

&&

\$\$

PUBLIC...Moede/17

AVIATION/MARINE...Albright

IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

Department of Agronomy

716 Farm House Ln

Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone

☐

001

FXUS66 KSGX 102051

AFDSGX

Area Forecast Discussion

National Weather Service San Diego CA

150 PM PDT Tue Apr 10 2018

.SYNOPSIS...

A trough of low pressure will bring cooler weather Wednesday, except in the lower deserts where it will remain quite warm for one more day. Low clouds and locally dense fog will develop near the coast tonight and spread into the western valleys through tomorrow morning. Thursday will be windy and much cooler, and there may be a few light showers along and west of the mountains. Warmer Friday and Saturday with high pressure aloft and gusty northeast winds in the mountains and foothills.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO
COUNTIES...

Today was another record warm day with a new high temperature at Ramona for the second day in a row. The temperature was 92 at 1PM, breaking the old record of 89 set in 1988. Alpine set a new record high of 90 set in 1988. Thermal also set a record with 101 breaking the old record of 99. Even areas near the coast held on to the warmth for one more day where the San Diego Airport tied their record of 85 set in 1968. A complete list of records will be issued around 5 PM.

Filtered sun through high thin cirrus associated with a weak trough will drift overhead this evening. There isn't any sign of low clouds yet, but they will form after midnight and spread into the coastal zones toward daybreak. BUFKIT soundings at KSAN show a near surface based inversion forming around 2 AM, slowly deepening through 8 AM, so there may be areas of dense fog within 10 miles of the coast Wednesday morning. Cooling will spread inland tomorrow with the marine layer and stronger onshore flow with the approaching trough, so there should be 5-10 degrees of cooling west of the mountains. The lower deserts will remain quite warm though with highs in the mid to upper 90s.

West winds will start to pick up Wednesday afternoon in the mountains and deserts ahead of the main upper trough that will sweep

across SoCal Thursday. Time-Height cross sections show a moderately strong mountain wave down the eastern slopes in the deserts Wednesday afternoon and evening. However, the strongest wind will surface Wednesday night and Thursday when a stronger wave will make it down the slopes and into parts of the desert floor of the Coachella Valley and the Anza Borrego Desert. The potential exists for 20-35 mph sustained winds to gust as high as 50-70 mph in some areas Thursday. The High Wind Watch was upgraded to a High Wind Warning for the mountains and deserts Wednesday afternoon through Thursday evening.

Gusty winds will also impact the coastal and valley areas too. Surface pressures fall to 1000 mb over southern Nevada Thursday morning setting up a 16 mb onshore gradient. Also, 850 mb winds of 30 kt will mix down to the surface behind the trough, so winds in the coastal areas of 15-25 mph gusting to 30 mph appear likely. Even stronger winds will impact the Coastal Waters where a Small Craft Advisory will be in effect.

This will be a wind event more than a rain event with only slight chances for light showers along and west of the mountains Thursday.

There just isn't any deep moisture drawn into the system, so any light precip will have to come from the marine layer Thursday.

On Friday the trough moves east and high pressure will build aloft along the West Coast through Saturday. Expect warmer days with dry offshore flow and gusty northeast winds to the mountains, foothills and inland valleys. The ridge weakens Saturday night as another low pressure trough in this roller coaster upper air pattern moves into SoCal Sunday for cooler weather and a return to gusty west winds in the mountains and deserts.

&&

.AVIATION...

102000Z...Coast...SCT high clouds AOA 20000 ft MSL and unrestricted visibility through 05Z Wednesday. Areas of fog/low clouds building along the coast after 05Z. Look for bases between 200 and 600 ft MSL. FG near higher coastal terrain may reduce visibility to 1/4 sm or less at times between 05Z and 15Z Wednesday, with BR/HZ producing 2-5 sm visibility elsewhere. Impacts possible at KSAN, KCRQ and KSNA. Increasing bases and visibility after 15Z should remove the fog potential, but SCT-BKN low clouds may linger through the day.

Valleys, Mountains & Deserts...A few low clouds may sneak into the valleys between 09Z and 15Z Wednesday. Otherwise, SCT high clouds AOA 20000 ft MSL and unrestricted visibility through 00Z Thursday.

&&

.MARINE...

Strong northwest winds Wednesday-Thursday night will produce hazardous conditions for small craft. Peak winds gusts Wednesday should be around 25 kt, and will predominantly occur outside of 20 NM. Stronger wind gusts expected Thursday, with 25 kt gusts affecting all areas, and peak gusts near 35 knots outside of 20 NM. An increasing short period northwest swell will accompany the winds. Look for combined seas of 4-9 ft Wednesday, increasing to 7-14 ft Thursday, then decreasing to 4-9 ft Friday (highest seas near and south of San Clemente Island). Seas and winds will decrease over the weekend, but another round of potentially hazardous seas/winds is possible early next week.

&&

.BEACHES...

A building short period northwest wind swell (5-9 ft at 9 to 11 sec) will bring sloppy surf conditions Thursday and Friday. High surf conditions are not anticipated at this time. However widespread 5-6 ft surf is likely, with isolated 7 ft sets in San Diego County

&&

.SKYWARN...

Skywarn activation is not requested. However weather spotters are encouraged to report significant weather conditions.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...High Wind Warning from 1 PM Wednesday to 10 PM PDT Thursday for Apple and Lucerne Valleys-Coachella Valley-Riverside County Mountains-San Bernardino County Mountains-San Diego County Deserts-San Diego County Mountains-San Gorgonio Pass Near Banning.

PZ...Small Craft Advisory from 5 PM Wednesday to 5 AM PDT Friday for Coastal Waters from San Mateo Point to the Mexican Border and out to 30 nm-Waters from San Mateo point to the Mexican Border Extending 30 to 60 nm out including San Clemente Island.

&&

\$\$

PUBLIC...Moede

AVIATION/MARINE...Albright

☐

353

FXUS65 KPSR 102108

AFDPSR

Area Forecast Discussion

National Weather Service Phoenix AZ

208 PM MST Tue Apr 10 2018

.SYNOPSIS...

Strong high pressure will keep temperatures well above normal through Wednesday. Highs temperatures will reach into the upper 90s through Wednesday across the lower deserts. A strong, dry cold front weather system will then move across the region Thursday into early Friday ushering in windy and significantly cooler conditions through Saturday. Increasing high pressure and a rebound in temperatures is expected for the weekend with highs back into the upper 80s to lower 90s by Sunday.

&&

.DISCUSSION...

Current satellite imagery has a large area of patchy and thin cirrus drifting across the region, with and ahead of the upper ridge axis over the western states. With plenty of insolation penetrating the cirrus layer, temperatures are heating up rapidly across the lower deserts under the influence of the strong high pressure. As a result, high temperatures today through Wednesday are expected to reach the mid to upper 90s which represents the hottest temperatures observed in the region so far this year. Similarly, these temperatures will also produce the most significant heat risk so far this year, especially for Maricopa county eastward, with normal highs for this time of year being near 84 degrees. Along with the heat, very dry conditions remain in place with low RH values already well below 15 percent.

On Wednesday the ridge axis shifts east and flattens as heights begin to fall ahead of a strong Pacific weather system encroaching on the west coast. In spite of the falling heights, H5 heights are expected to remain near 582dam to support the last day of significant heat risk of the week. With Wednesday's tightening gradient, strong gusty winds are forecast to develop late Wednesday afternoon to Wednesday night, first over SE CA and then spreading east into AZ ahead of, and with the dry cold front. Chances for areas of blowing dust will begin first in SE CA with FROPA on Wednesday night.

The dry cold front is forecast to push through the remaining lower

desert areas on Thursday with a good shot of cold air, very strong and gusty winds, and more areas of blowing dust. The FROPA for Phoenix should occur near 18Z. Additional CAA, strong post frontal winds, and areas of blowing dust will continue to impact the lower deserts through Friday and Friday night/early Saturday morning. This system will bring high to extreme fire danger to the region on Thursday with Red Flag warnings already in place across the entire region. Elevated fire danger will continue on Friday, however with cooler temperatures. The highs by Friday are only expected to reach the mid to upper 70s.

On Saturday models are in good agreement on a ridge building over the Intermountain West and ushering in a rebound of temperatures. The weekend warming trend will bring seasonably warm 80s for Saturday and the upper 80s to low 90s for Sunday and Monday. The next weather system on Monday should drop Tuesday's temperatures back down near seasonable norms.

&&

.AVIATION...

South-Central Arizona including KPHX, KIWA, and KSDL:

High pressure aloft and weak sfc pressure gradients to keep sky cover reduced to mainly SCT-BKN high cirrus aob 25k feet through the taf period. Winds to mainly follow typical diurnal patterns, but will westerly winds lasting a bit later than normal tonight.

Southeast California/Southwest Arizona including KIPL and KBLH:

High pressure aloft and weak sfc pressure gradients to keep sky cover reduced to mainly FEW-SCT high cirrus aob 25k feet at times through the taf period. Winds to mainly follow typical diurnal patterns through tonight, then becoming gusty southerly to southwesterly on Wednesday afternoon as a rather strong Pacific weather system begins to approach from the west.

Aviation Discussion not updated for amended TAFs.

&&

.FIRE WEATHER...

Friday through Tuesday...

The combination of gusty northwesterly winds and humidities aob 15 percent behind a weather system the will be moving off to the east will keep fire danger levels at high to very high levels, especially across parts of Southwest and South-Central AZ, in spite of below-normal temperatures (lower desert highs in the mid-70's to low-80's)

across the region. High pressure building into the region from the west is expected to reduce wind speeds, and fire danger levels from Saturday into Monday, with temperatures returning to above-normal values (90's across the lower deserts). Another weather system could bring cooler temperatures and elevated fire danger levels to the region next Tuesday.

&&

.CLIMATE...

First 100F degree day statistics. Average is based on 1981-2010 normals. Period of record for Phoenix is 1895-2018 and Yuma is 1878-2017.

	Earliest	Average	Latest
Phoenix	26 March 1988	May 2	18 June 1913
Yuma	12 March 1916	April 22	13 June 1971

Additional information available at
<https://www.wrh.noaa.gov/psr/climate/FirstLastHeatDays.php>

&&

.SPOTTER INFORMATION STATEMENT...

Spotter activation will not be needed this week.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...Red Flag Warning from noon to 9 PM MST Thursday for AZZ131>133.

CA...Red Flag Warning from noon to 9 PM PDT Thursday for CAZ230>232.

&&

\$\$

DISCUSSION...Sawtelle
 AVIATION...Percha
 FIRE WEATHER...Percha

☐

411

WWUS76 KSGX 102108

NPWSGX

URGENT - WEATHER MESSAGE

National Weather Service San Diego CA

208 PM PDT Tue Apr 10 2018

...STRONG WEST WINDS FOR THE MOUNTAINS AND DESERTS FOR LATE WEDNESDAY INTO THURSDAY EVENING...

.A fast moving low pressure system moving inland across Southern California Wednesday night and Thursday will bring periods of strong gusty west winds to the mountains and deserts.

CAZ055-056-058-060>062-065-110500-

/O.UPG.KSGX.HW.A.0002.180411T2000Z-180413T0500Z/

/O.NEW.KSGX.HW.W.0004.180411T2000Z-180413T0500Z/

San Bernardino County Mountains-Riverside County Mountains-

San Diego County Mountains-Apple and Lucerne Valleys-

Coachella Valley-San Diego County Deserts-

San Geronio Pass Near Banning-

Including the cities of Big Bear City, Wrightwood, Julian,

Victorville, Hesperia, Apple Valley, Indio, Palm Springs,

Cathedral City, Palm Desert, Palm Desert Country, La Quinta,

Coachella, Borrego Springs, and Desert Hot Springs

208 PM PDT Tue Apr 10 2018

...HIGH WIND WARNING IN EFFECT FROM 1 PM WEDNESDAY TO 10 PM PDT THURSDAY...

The National Weather Service in San Diego has issued a High Wind Warning...which is in effect from 1 PM Wednesday to 10 PM PDT Thursday. The High Wind Watch is no longer in effect.

* Winds...Areas of west winds 25 to 35 mph with gusts to 60 mph. Isolated gusts to 70 mph.

* Location...Near mountain ridge tops and along desert mountain slopes into adjacent desert areas.

* Timing...The winds will strengthen Wednesday afternoon and evening with the strongest winds late Wednesday night through Thursday morning.

* Impacts...The winds will make driving difficult...especially for motorists with high profile vehicles. This will impact portions

of Interstate 10 through the San Geronio Pass and the Coachella Vally...and Interstate 8 through the San Diego County mountains. In the deserts...areas of blowing dust and sand will reduce visibility at times. Watch for broken tree limbs and other debris.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A High Wind Warning means a hazardous high wind event is expected or occurring. Sustained wind speeds of at least 40 mph or gusts of 58 mph or more can lead to property damage.

&&

\$\$

Moede

IOWA STATE UNIVERSITY

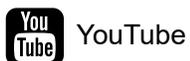
College of Ag
Department of Agronomy

Department of Agronomy

716 Farm House Ln
Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



☐

435

FXUS65 KPSR 110345

AFDPSR

Area Forecast Discussion

National Weather Service Phoenix AZ

845 PM MST Tue Apr 10 2018

.UPDATE...Updated aviation discussion.

&&

.SYNOPSIS...

Strong high pressure will keep temperatures well above normal through Wednesday. Highs temperatures will reach into the upper 90s through Wednesday across the lower deserts. A strong, dry cold front weather system will then move across the region Thursday into early Friday ushering in windy and significantly cooler conditions through Saturday. Increasing high pressure and a rebound in temperatures is expected for the weekend with highs back into the upper 80s to lower 90s by Sunday.

&&

.DISCUSSION...

Current satellite imagery has a large area of patchy and thin cirrus drifting across the region, with and ahead of the upper ridge axis over the western states. With plenty of insolation penetrating the cirrus layer, temperatures are heating up rapidly across the lower deserts under the influence of the strong high pressure. As a result, high temperatures today through Wednesday are expected to reach the mid to upper 90s which represents the hottest temperatures observed in the region so far this year. Similarly, these temperatures will also produce the most significant heat risk so far this year, especially for Maricopa county eastward, with normal highs for this time of year being near 84 degrees. Along with the heat, very dry conditions remain in place with low RH values already well below 15 percent.

On Wednesday the ridge axis shifts east and flattens as heights begin to fall ahead of a strong Pacific weather system encroaching on the west coast. In spite of the falling heights, H5 heights are expected to remain near 582dam to support the last day of significant heat risk of the week. With Wednesday's tightening gradient, strong gusty winds are forecast to develop late Wednesday afternoon to Wednesday night, first over SE CA and then spreading east into AZ

ahead of, and with the dry cold front. Chances for areas of blowing dust will begin first in SE CA with FROPA on Wednesday night.

The dry cold front is forecast to push through the remaining lower desert areas on Thursday with a good shot of cold air, very strong and gusty winds, and more areas of blowing dust. The FROPA for Phoenix should occur near 18Z. Additional CAA, strong post frontal winds, and areas of blowing dust will continue to impact the lower deserts through Friday and Friday night/early Saturday morning. This system will bring high to extreme fire danger to the region on Thursday with Red Flag warnings already in place across the entire region. Elevated fire danger will continue on Friday, however with cooler temperatures. The highs by Friday are only expected to reach the mid to upper 70s.

On Saturday models are in good agreement on a ridge building over the Intermountain West and ushering in a rebound of temperatures. The weekend warming trend will bring seasonably warm 80s for Saturday and the upper 80s to low 90s for Sunday and Monday. The next weather system on Monday should drop Tuesday's temperatures back down near seasonable norms.

&&

.AVIATION...

South-Central Arizona including KPHX, KIWA, and KSDL:

Periods of high clouds will continue, with typical diurnal wind patterns across area terminals. West winds will be slightly stronger Wednesday afternoon, around 10-12 kt, with a few gusts possible. Otherwise, aviation concerns should remain minimal.

Southeast California/Southwest Arizona including KIPL and KBLH:

A westerly component of the surface wind will be maintained across most of southeast California overnight into late Wednesday. Primary aviation concern will be strengthening winds Wednesday afternoon, after 19Z at KBLH, and after 22Z at KIPL, with gusts to 25 kt expected. Periodic high clouds are forecast.

Aviation Discussion not updated for amended TAFs.

&&

.FIRE WEATHER...

Friday through Tuesday...

The combination of gusty northwesterly winds and humidities aob 15

percent behind a weather system the will be moving off to the east will keep fire danger levels at high to very high levels, especially across parts of Southwest and South-Central AZ, in spite of below-normal temperatures (lower desert highs in the mid-70's to low-80's) across the region. High pressure building into the region from the west is expected to reduce wind speeds, and fire danger levels from Saturday into Monday, with temperatures returning to above-normal values (90's across the lower deserts). Another weather system could bring cooler temperatures and elevated fire danger levels to the region next Tuesday.

&&

.CLIMATE...

First 100F degree day statistics. Average is based on 1981-2010 normals. Period of record for Phoenix is 1895-2018 and Yuma is 1878-2017.

	Earliest	Average	Latest
Phoenix	26 March 1988	May 2	18 June 1913
Yuma	12 March 1916	April 22	13 June 1971

Additional information available at
<https://www.wrh.noaa.gov/psr/climate/FirstLastHeatDays.php>

&&

.SPOTTER INFORMATION STATEMENT...

Spotter activation will not be needed this week.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...Red Flag Warning from noon to 9 PM MST Thursday for AZZ131>133.

CA...Red Flag Warning from noon to 9 PM PDT Thursday for CAZ230>232.

&&

\$\$

DISCUSSION...Sawtelle

AVIATION...Rogers

FIRE WEATHER...Percha

☐

649

WWUS76 KSGX 110407

NPWSGX

URGENT - WEATHER MESSAGE

National Weather Service San Diego CA

907 PM PDT Tue Apr 10 2018

...STRONG WEST WINDS FOR THE MOUNTAINS AND DESERTS FOR LATE WEDNESDAY INTO THURSDAY EVENING...

.A fast moving low pressure system moving inland across Southern California Wednesday night and Thursday will bring periods of strong gusty west winds to the mountains and deserts.

CAZ055-056-058-060>062-065-111300-

/O.CON.KSGX.HW.W.0004.180411T2000Z-180413T0500Z/

San Bernardino County Mountains-Riverside County Mountains-

San Diego County Mountains-Apple and Lucerne Valleys-

Coachella Valley-San Diego County Deserts-

San Gorgonio Pass Near Banning-

Including the cities of Big Bear City, Wrightwood, Julian, Victorville, Hesperia, Apple Valley, Indio, Palm Springs, Cathedral City, Palm Desert, Palm Desert Country, La Quinta, Coachella, Borrego Springs, and Desert Hot Springs

907 PM PDT Tue Apr 10 2018

...HIGH WIND WARNING REMAINS IN EFFECT FROM 1 PM WEDNESDAY TO 10 PM PDT THURSDAY...

* Winds...Areas of west winds 25 to 35 mph with gusts to 60 mph. Isolated gusts to 70 mph.

* Location...Near mountain ridge tops and along desert mountain slopes into adjacent desert areas.

* Timing...Winds will strengthen Wednesday afternoon and evening with the strongest winds late Wednesday night through Thursday morning. Winds will slowly weaken during the day Thursday.

* Impacts...The winds will make driving difficult...especially for motorists with high profile vehicles. This will impact portions of Interstate 10 through the San Gorgonio Pass and the Coachella Valley...and Interstate 8 through the San Diego County mountains. In the deserts...areas of blowing dust and sand will reduce visibility at times. Watch for broken tree limbs and other debris.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A High Wind Warning means a hazardous high wind event is expected or occurring. Sustained wind speeds of at least 40 mph or gusts of 58 mph or more can lead to property damage.

&&

\$\$

SS

IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

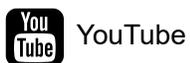
Department of Agronomy

716 Farm House Ln

Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



☐

028

WWUS75 KPSR 110944

NPWPSR

URGENT - WEATHER MESSAGE

National Weather Service Phoenix AZ

244 AM MST Wed Apr 11 2018

CAZ562-563-566-567-112200-

/O.NEW.KPSR.WI.Y.0010.180412T0100Z-180413T0300Z/

Imperial County Southwest-Salton Sea-Imperial County West-
Imperial Valley-

Including the cities of Mountain Spring, Desert Shores,
Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo,
Plaster City, El Centro, Calexico, Alamo, and Brawley

244 AM PDT Wed Apr 11 2018

...WIND ADVISORY IN EFFECT FROM 6 PM THIS EVENING TO 8 PM PDT
THURSDAY...

The National Weather Service in Phoenix has issued a Wind
Advisory, which is in effect from 6 PM this evening to 8 PM PDT
Thursday.

- * AFFECTED AREA...Western Imperial County including the Imperial
Valley and El Centro, the Salton Sea, and portions of Interstate
8 from El Centro west toward Ocotillo.
- * TIMING...From 6 PM this evening until 8 PM Thursday evening.
- * WINDS...West winds of 20 to 30 mph gusting to 40 to 50 mph.
- * IMPACTS...Difficult driving conditions, especially on roads
closer to the mountains and any north-south oriented roads. Some
areas of blowing dust may develop, limiting visibility.
Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between
30 and 40 mph are expected, or wind gusts of between 40 and
58 mph. Winds this strong can make driving difficult, especially
for high profile vehicles. In addition, strong winds over desert
areas could result in briefly lowered visibilities to well under
a mile at times in blowing dust or blowing sand. Use extra
caution.

&&

\$\$

AZZ534-537-538-540>542-544-112200-
/O.NEW.KPSR.WI.Y.0010.180412T1800Z-180413T0200Z/
Aguila Valley-Northwest Valley-Tonopah Desert-Buckeye/Avondale-
Cave Creek/New River-Deer Valley-North Phoenix/Glendale-
Including the cities of Aguila, Gladden, Wickenburg, Circle City,
Surprise, Wittmann, Beardsley, Sun City West, Arlington,
Hassayampa, Tonopah, Wintersburg, Avondale, Cashion, Goodyear,
Liberty, Scottsdale, Peoria, and Phoenix
244 AM MST Wed Apr 11 2018

...WIND ADVISORY IN EFFECT FROM 11 AM TO 7 PM MST THURSDAY...

The National Weather Service in Phoenix has issued a Wind Advisory, which is in effect from 11 AM to 7 PM MST Thursday.

- * AFFECTED AREA...Northwest Maricopa County, including the western and northern suburbs of the Phoenix area, Wickenburg, and Interstate 10 from Phoenix westward and Interstate 17 from Phoenix northward.
- * TIMING...Beginning 11 AM Thursday morning continuing to 7 PM Thursday evening.
- * WINDS...Westerly winds of 20 to 30 mph gusting up to 45 mph.
- * IMPACTS...Difficult driving conditions, especially on any north-south oriented roads in open areas. Some areas of blowing dust may develop, limiting visibility. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

&&

\$\$

AZZ530-533-CAZ560-561-569-570-112200-

/O.NEW.KPSR.WI.Y.0010.180412T1500Z-180413T0300Z/
 Parker Valley-Central La Paz-Joshua Tree NP West-
 Joshua Tree NP East-Palo Verde Valley-Chuckwalla Valley-
 Including the cities of Parker, Ehrenberg, Brenda, Harcuvar,
 Quartzsite, Vicksburg, Vicksburg Junction, Salome,
 Cottonwood Visitor, Lost Horse-Keys Village, Martinez Lake,
 Blythe, Palo Verde, Ripley, and Midland
 244 AM MST Wed Apr 11 2018 /244 AM PDT Wed Apr 11 2018/

...WIND ADVISORY IN EFFECT FROM 8 AM MST /8 AM PDT/ TO 8 PM MST
 /8 PM PDT/ THURSDAY...

The National Weather Service in Phoenix has issued a Wind
 Advisory, which is in effect from 8 AM MST /8 AM PDT/ to 8 PM MST
 /8 PM PDT/ Thursday.

* AFFECTED AREA...Much of Eastern Riverside County in California
 and most of La Paz County in Arizona. This includes Blythe,
 Quartzsite, Joshua Tree National Park, and portions of Interstate
 10 from near Centennial west through Blythe and toward Desert
 Center.

* TIMING...Beginning 8 AM Thursday morning and continuing until 8
 PM Thursday evening.

* WINDS...Westerly winds of 20 to 30 mph gusting to 40 to 50 mph.

* IMPACTS...Difficult driving conditions, especially on any north-
 south oriented roads in open areas. Some areas of blowing dust
 may develop, limiting visibility. Unsecured objects may become
 airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between
 30 and 40 mph are expected, or wind gusts of between 40 and
 58 mph. Winds this strong can make driving difficult, especially
 for high profile vehicles. In addition, strong winds over desert
 areas could result in briefly lowered visibilities to well under
 a mile at times in blowing dust or blowing sand. Use extra
 caution.

&&

\$\$

AZZ545-547-552-556>558-560>563-112200-
 /O.NEW.KPSR.WI.Y.0010.180412T1800Z-180413T0200Z/
 New River Mesa-Rio Verde/Salt River-Superior-Tonto Basin-

Mazatzal Mountains-Pinal/Superstition Mountains-San Carlos-Dripping Springs-Globe/Miami-Southeast Gila County-Including the cities of Superior, Punkin Center, Sunflower, San Carlos, Peridot, Hayden, Winkelman, Globe, and Miami
244 AM MST Wed Apr 11 2018

...WIND ADVISORY IN EFFECT FROM 11 AM TO 7 PM MST THURSDAY...

The National Weather Service in Phoenix has issued a Wind Advisory, which is in effect from 11 AM to 7 PM MST Thursday.

* AFFECTED AREA...Far northeast Maricopa County and all of southern Gila County. This includes Superior, Globe, Punkin Center, and San Carlos.

* TIMING...Beginning 11 AM Thursday morning and continuing until 7 PM Thursday evening.

* WINDS...Westerly winds of 20 to 30 mph gusting up to 45 mph.

* IMPACTS...Difficult driving conditions, especially on any north-south oriented roads in open areas. Winds may become enhanced in east-west valleys. Stronger winds will occur over area lakes, including Lake Roosevelt. At lower elevations, some areas of blowing dust may develop. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

&&

\$\$

☐

341

WWUS76 KSGX 110947

NPWSGX

URGENT - WEATHER MESSAGE

National Weather Service San Diego CA

247 AM PDT Wed Apr 11 2018

...STRONG WEST WINDS DEVELOPING OVER THE MOUNTAINS AND DESERTS
THIS EVENING...

.A low pressure trough moving inland across California will bring
strong and gusty westerly winds this evening into Thursday over
the mountains and deserts.

CAZ055-056-058-060>062-065-112100-

/O.EXT.KSGX.HW.W.0004.180412T0300Z-180412T2100Z/

San Bernardino County Mountains-Riverside County Mountains-

San Diego County Mountains-Apple and Lucerne Valleys-

Coachella Valley-San Diego County Deserts-

San Gorgonio Pass Near Banning-

Including the cities of Big Bear City, Wrightwood, Julian,
Victorville, Hesperia, Apple Valley, Indio, Palm Springs,
Cathedral City, Palm Desert, Palm Desert Country, La Quinta,
Coachella, Borrego Springs, and Desert Hot Springs

247 AM PDT Wed Apr 11 2018

...HIGH WIND WARNING NOW IN EFFECT FROM 8 PM THIS EVENING TO 2 PM
PDT THURSDAY...

- * Winds...West 25 to 35 mph with gusts to 60 mph. Isolated gusts
to 70 mph.
- * Location...Near mountain ridge tops and along desert mountain
slopes into adjacent desert areas.
- * Timing...Beginning this evening, with the strongest winds late
tonight through Thursday morning. Winds will weaken during the
day Thursday.
- * Impacts...The winds will make driving difficult...especially
for motorists with high profile vehicles. This will impact
portions of Interstate 10 through the San Gorgonio Pass and
the Coachella Valley...and Interstate 8 through the San Diego
County mountains. In the deserts...areas of blowing dust and
sand will reduce visibility at times. Watch for broken tree
limbs and other debris.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A High Wind Warning means a hazardous high wind event is expected or occurring. Sustained wind speeds of at least 40 mph or gusts of 58 mph or more can lead to property damage.

&&

\$\$

10

IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

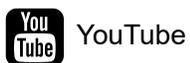
Department of Agronomy

716 Farm House Ln

Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



☐

184

FXUS66 KSGX 110951

AFDSGX

Area Forecast Discussion

National Weather Service San Diego CA

250 AM PDT Tue Apr 11 2018

.SYNOPSIS...

Increasing onshore flow and a building marine layer today will bring some patchy fog this morning over coastal areas, and cooler weather. For tonight into Thursday...a low pressure trough will swing across the state, creating strong winds over the mountains, deserts and coastal waters, and breezy conditions over coastal areas. There may be a few light showers along and west of the mountains early Thursday as well. It will be much cooler on Thursday, then warmer over the weekend as winds turn back offshore under a weak high pressure ridge.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO
COUNTIES...

The IR satellite imagery at 2 AM PDT showed bands of high clouds moving from NW to SE across the CWA, and patches of lower clouds/fog developing near the coast. Some of the fog may become dense by morning. Surface pressure gradients were trending onshore 5-6 MBS KSAN to the deserts and peak westerly wind gusts were 35-40 MPH near and below the passes.

A low pressure trough approaching the coast this morning will drop sfc pressure over the Great Basin, encouraging onshore winds to increase. This will lift the marine air inland and result in a much cooler day for all except the lower deserts where temps will still reach the mid 90s.

As the trough moves inland, sfc pressures will drop further and westerly winds will increase further over the mts/deserts where a High Wind Warning has been posted for this evening through midday Thu. As the trough moves east on Thu, the winds will slowly subside, but it will remain breezy into the evening. A few light showers may develop along and west of the mts early Thu morning, otherwise it will remain dry.

It will be much cooler on Thursday, then warmer Fri into the weekend

under a weak high pressure ridge aloft and offshore flow. The ridge is not forecast to amplify like the one earlier this week, so not as hot.

Another trough slides east off the Pacific early next week, returning gusty onshore flow and cooler weather on Monday. This will be followed by fair and warmer weather mid next week. The 00Z operational model runs of both the GFS/ECMWF suggest a colder trough will arrive late next week with perhaps some light precip.

&&

.AVIATION...

110900Z...Coast...Low clouds and fog will gradually increase in coverage through 14Z, but will still be patchy. Bases will start around 500 feet MSL or less, with areas of vis below 2SM, lowest over coastal mesas. These clouds should clear out by 17Z. Areas of coastal clouds will make an early return late this afternoon and evening and will probably cover coastal airports intermittently between 00-08Z, becoming more solid and persistent thereafter. Bases will be around 1000-1500 feet msl.

Otherwise, scattered high clouds with unrestricted vis today and tonight.

&&

.MARINE...

Strong northwest winds and high seas this afternoon through Thursday night will produce hazardous conditions for small craft. A few gusts could reach gale force. See the small craft advisory for details. Seas and winds will decrease Friday, but another round of hazardous winds and seas is possible Monday.

&&

.SKYWARN...

Skywarn activation is not requested. However weather spotters are encouraged to report significant weather conditions.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...High Wind Warning from 8 PM this evening to 2 PM PDT Thursday for Apple and Lucerne Valleys-Coachella Valley-Riverside County Mountains-San Bernardino County Mountains-San Diego County Deserts-San Diego County Mountains-San Gorgonio Pass Near Banning.

☐

199

FXUS66 KSGX 110952 CCA

AFDSGX

Area Forecast Discussion...corrected
National Weather Service San Diego CA
250 AM PDT wed Apr 11 2018

.SYNOPSIS...

Increasing onshore flow and a building marine layer today will bring some patchy fog this morning over coastal areas, and cooler weather. For tonight into Thursday...a low pressure trough will swing across the state, creating strong winds over the mountains, deserts and coastal waters, and breezy conditions over coastal areas. There may be a few light showers along and west of the mountains early Thursday as well. It will be much cooler on Thursday, then warmer over the weekend as winds turn back offshore under a weak high pressure ridge.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO
COUNTIES...

The IR satellite imagery at 2 AM PDT showed bands of high clouds moving from NW to SE across the CWA, and patches of lower clouds/fog developing near the coast. Some of the fog may become dense by morning. Surface pressure gradients were trending onshore 5-6 MBS KSAN to the deserts and peak westerly wind gusts were 35-40 MPH near and below the passes.

A low pressure trough approaching the coast this morning will drop sfc pressure over the Great Basin, encouraging onshore winds to increase. This will lift the marine air inland and result in a much cooler day for all except the lower deserts where temps will still reach the mid 90s.

As the trough moves inland, sfc pressures will drop further and westerly winds will increase further over the mts/deserts where a High Wind Warning has been posted for this evening through midday Thu. As the trough moves east on Thu, the winds will slowly subside, but it will remain breezy into the evening. A few light showers may develop along and west of the mts early Thu morning, otherwise it will remain dry.

It will be much cooler on Thursday, then warmer Fri into the weekend

under a weak high pressure ridge aloft and offshore flow. The ridge is not forecast to amplify like the one earlier this week, so not as hot.

Another trough slides east off the Pacific early next week, returning gusty onshore flow and cooler weather on Monday. This will be followed by fair and warmer weather mid next week. The 00Z operational model runs of both the GFS/ECMWF suggest a colder trough will arrive late next week with perhaps some light precip.

&&

.AVIATION...

110900Z...Coast...Low clouds and fog will gradually increase in coverage through 14Z, but will still be patchy. Bases will start around 500 feet MSL or less, with areas of vis below 2SM, lowest over coastal mesas. These clouds should clear out by 17Z. Areas of coastal clouds will make an early return late this afternoon and evening and will probably cover coastal airports intermittently between 00-08Z, becoming more solid and persistent thereafter. Bases will be around 1000-1500 feet msl.

Otherwise, scattered high clouds with unrestricted vis today and tonight.

&&

.MARINE...

Strong northwest winds and high seas this afternoon through Thursday night will produce hazardous conditions for small craft. A few gusts could reach gale force. See the small craft advisory for details. Seas and winds will decrease Friday, but another round of hazardous winds and seas is possible Monday.

&&

.SKYWARN...

Skywarn activation is not requested. However weather spotters are encouraged to report significant weather conditions.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...High Wind Warning from 8 PM this evening to 2 PM PDT Thursday for Apple and Lucerne Valleys-Coachella Valley-Riverside County Mountains-San Bernardino County Mountains-San Diego County Deserts-San Diego County Mountains-San Gorgonio Pass Near Banning.

PZ...Small Craft Advisory from 5 PM Wednesday to 5 AM PDT Friday for Coastal Waters from San Mateo Point to the Mexican Border and out to 30 nm-Waters from San Mateo point to the Mexican Border Extending 30 to 60 nm out including San Clemente Island.

&&

\$\$

PUBLIC...10

AVIATION/MARINE/BEACHES...MM

IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

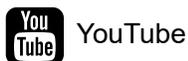
Department of Agronomy

716 Farm House Ln

Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



☐

109

FXUS65 KPSR 111009

AFDPSR

Area Forecast Discussion

National Weather Service Phoenix AZ

309 AM MST Wed Apr 11 2018

.SYNOPSIS...

High pressure will keep temperatures well above normal today with temperatures again reaching into the upper 90s. A strong but dry weather system will then move across the region Thursday into early Friday ushering in windy and significantly cooler conditions through Saturday. Increasing high pressure and a rebound in temperatures is expected for the weekend into early next week with highs back into the upper 80s to lower 90s by Sunday.

&&

.DISCUSSION...

The impressive ridge axis that brought an early first 100 degree day at Phoenix is moving to the east, but heights and temperatures aloft will remain well above climo normals for another day. An approaching Pacific trough will bring a period of high clouds today while also resulting in breezy southwest winds by late this afternoon. High temperatures will again reach into the middle to upper 90s despite the lowering heights aloft and partly cloudy skies. The current record of 98 degrees in Phoenix may be in jeopardy today with a current forecast high of 98.

The Pacific trough will quickly move east today into tomorrow, first reaching the California coast this evening. This will lead to deepening surface pressure over the Interior West while a strong surface high over the Pacific edges closer to the West Coast. This will create a strong pressure gradient across the Desert Southwest by late afternoon, especially over central portions of southern California. 850mb winds over southeast California increase to around 35-40kts by midnight and this should result in mountain rotor winds developing across the western half of Imperial County starting this evening. Wind Advisory level winds are anticipated to affect this area and likely lead to periods of blowing dust tonight.

As the Pacific trough continues into the Great Basin and Desert Southwest on Thursday, a dry cold front will quickly push through

the area by noon. Winds will become quite gusty throughout the majority of the forecast area by mid Thursday morning with Wind Advisory level winds over all but far southern Arizona. Wind gusts Thursday afternoon and early evening should exceed 35-40mph at times in the advisory area and will likely bring areas of blowing dust with the possibility of localized reduced visibilities below 1/2 mile in dust prone areas. Dry air behind the cold front in combination with the windy conditions will also lead to critical fire weather conditions during the afternoon and early evening. Winds will finally begin to diminish after sunset Thursday, but will remain breezy in most areas throughout the overnight hours. Temperatures Thursday will drop considerably with highs likely only topping out into the lower 80s over the deserts.

The Pacific trough slows up on Friday as it deepens over the central Rockies. This will keep the back end of the trough over the Desert Southwest and allow for even cooler conditions with highs mostly in the middle to upper 70s. The airmass behind the exiting trough will be especially dry with surface dew points dropping from the teens into the single digits by Friday afternoon. The deep surface low over the Central Rockies and increasing high pressure over the Great Basin and the Desert Southwest will maintain a tight pressure gradient over the region. Winds Friday will not be as strong as those on Thursday, but northwesterly wind gusts will likely reach near 30 mph during the afternoon hours. These breezy conditions and very dry air in place may lead to another day of critical fire weather conditions over at least some of the area.

Upper level ridging and warming conditions will take over for the weekend with high temperatures climbing into the middle 80s Saturday to around 90 for Sunday and Monday. Another Pacific trough should pass by to our north Monday night into Tuesday resulting in another breezy day on Monday. The trough should bring a bit of cooling into the middle part of next week with highs likely dropping back down to near normal readings.

&&

.AVIATION...

South-Central Arizona including KPHX, KIWA, and KSDL:

Periods of high clouds will continue, with typical diurnal wind patterns across area terminals. West winds will be slightly stronger Wednesday afternoon, around 10-12 kt, with a few gusts possible. Otherwise, aviation concerns should remain minimal.

Southeast California/Southwest Arizona including KIPL and KBLH:

A westerly component of the surface wind will be maintained across most of southeast California overnight into late Wednesday. Primary aviation concern will be strengthening winds Wednesday afternoon, after 19Z at KBLH, and after 22Z at KIPL, with gusts to 25 kt expected. Periodic high clouds are forecast.

Aviation Discussion not updated for amended TAFs.

&&

.FIRE WEATHER...

Friday through Tuesday...

The combination of gusty northwesterly winds and humidities aob 15 percent behind a weather system the will be moving off to the east will keep fire danger levels at high to very high levels, especially across parts of Southwest and South-Central AZ, in spite of below-normal temperatures (lower desert highs in the mid-70's to low-80's) across the region. High pressure building into the region from the west is expected to reduce wind speeds, and fire danger levels from Saturday into Monday, with temperatures returning to above-normal values (90's across the lower deserts). Another weather system could bring cooler temperatures and elevated fire danger levels to the region next Tuesday.

&&

.SPOTTER INFORMATION STATEMENT...

Spotter activation will not be needed this week.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...Red Flag Warning from noon to 9 PM MST Thursday for AZZ131>133.

Wind Advisory from 11 AM to 7 PM MST Thursday for AZZ534-537-538-540>542-544-545-547-552-556>558-560>563.

Wind Advisory from 8 AM to 8 PM MST Thursday for AZZ530-533.

CA...Red Flag Warning from noon to 9 PM PDT Thursday for CAZ230>232.

Wind Advisory from 8 AM to 8 PM PDT Thursday for CAZ560-561-569-570.

Wind Advisory from 6 PM this evening to 8 PM PDT Thursday for CAZ562-563-566-567.

&&

\$\$

DISCUSSION...Kuhlman

AVIATION...Rogers

FIRE WEATHER...Percha

IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

Department of Agronomy

716 Farm House Ln

Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



Copyright © 2001-2019

Iowa State University

of Science and Technology

All rights reserved.

Non-discrimination Policy

☐

569

FXUS65 KPSR 111145

AFDPSR

Area Forecast Discussion

National Weather Service Phoenix AZ

445 AM MST Wed Apr 11 2018

.UPDATE... for fire weather and aviation sections.

&

.SYNOPSIS...

High pressure will keep temperatures well above normal today with temperatures again reaching into the upper 90s. A strong but dry weather system will then move across the region Thursday into early Friday ushering in windy and significantly cooler conditions through Saturday. Increasing high pressure and a rebound in temperatures is expected for the weekend into early next week with highs back into the upper 80s to lower 90s by Sunday.

&&

.DISCUSSION...

The impressive ridge axis that brought an early first 100 degree day at Phoenix is moving to the east, but heights and temperatures aloft will remain well above climo normals for another day. An approaching Pacific trough will bring a period of high clouds today while also resulting in breezy southwest winds by late this afternoon. High temperatures will again reach into the middle to upper 90s despite the lowering heights aloft and partly cloudy skies. The current record of 98 degrees in Phoenix may be in jeopardy today with a current forecast high of 98.

The Pacific trough will quickly move east today into tomorrow, first reaching the California coast this evening. This will lead to deepening surface pressure over the Interior West while a strong surface high over the Pacific edges closer to the West Coast. This will create a strong pressure gradient across the Desert Southwest by late afternoon, especially over central portions of southern California. 850mb winds over southeast California increase to around 35-40kts by midnight and this should result in mountain rotor winds developing across the western half of Imperial County starting this evening. Wind Advisory level winds are anticipated to affect this area and likely lead to periods of blowing dust tonight.

As the Pacific trough continues into the Great Basin and Desert Southwest on Thursday, a dry cold front will quickly push through the area by noon. Winds will become quite gusty throughout the majority of the forecast area by mid Thursday morning with Wind Advisory level winds over all but far southern Arizona. Wind gusts Thursday afternoon and early evening should exceed 35-40mph at times in the advisory area and will likely bring areas of blowing dust with the possibility of localized reduced visibilities below 1/2 mile in dust prone areas. Dry air behind the cold front in combination with the windy conditions will also lead to critical fire weather conditions during the afternoon and early evening. Winds will finally begin to diminish after sunset Thursday, but will remain breezy in most areas throughout the overnight hours. Temperatures Thursday will drop considerably with highs likely only topping out into the lower 80s over the deserts.

The Pacific trough slows up on Friday as it deepens over the central Rockies. This will keep the back end of the trough over the Desert Southwest and allow for even cooler conditions with highs mostly in the middle to upper 70s. The airmass behind the exiting trough will be especially dry with surface dew points dropping from the teens into the single digits by Friday afternoon. The deep surface low over the Central Rockies and increasing high pressure over the Great Basin and the Desert Southwest will maintain a tight pressure gradient over the region. Winds Friday will not be as strong as those on Thursday, but northwesterly wind gusts will likely reach near 30 mph during the afternoon hours. These breezy conditions and very dry air in place may lead to another day of critical fire weather conditions over at least some of the area.

Upper level ridging and warming conditions will take over for the weekend with high temperatures climbing into the middle 80s Saturday to around 90 for Sunday and Monday. Another Pacific trough should pass by to our north Monday night into Tuesday resulting in another breezy day on Monday. The trough should bring a bit of cooling into the middle part of next week with highs likely dropping back down to near normal readings.

&&

.AVIATION...

South-Central Arizona including KPHX, KIWA, and KSDL:

Easterly drainage winds this morning will gradually turn toward the south then southwest/west this afternoon and become breezy. The west winds will persist well into the overnight hours. As a

heads-up, Thursday morning easterly winds will likely switch to west mid/late followed by rather strong westerly winds through much of the day. Any clouds through the next 24-48 hours should be AOA 25kft.

Southeast California/Southwest Arizona including KIPL and KBLH:

Winds will increase this afternoon, becoming gusty at TAF sites from the southwest/west. Brief periods of BLDU will be possible, especially at KIPL this evening, as winds increase. Enhanced winds may persist late into the evening, perhaps not showing much of a break at all in the Imperial Valley overnight (though if mountain rotors develop, periods of strong winds followed by very weak winds will be possible). Clouds will remain AOA 25kft.

Aviation Discussion not updated for amended TAFs.

&&

.FIRE WEATHER...

Friday through Tuesday...

Dangerous fire weather conditions may continue Friday as a dry weather system pulls away. Breezy northerly winds on the backside may be enough to bump into red flag territory, though the incoming cooler temperatures will make for borderline humidity values. Calmer and warming weather through the weekend with another possible round of breezy and dry conditions Monday.

&&

.SPOTTER INFORMATION STATEMENT...

Spotter activation will not be needed this week.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...Red Flag Warning from noon to 9 PM MST Thursday for AZZ131>133.

Wind Advisory from 11 AM to 7 PM MST Thursday for AZZ534-537-538-540>542-544-545-547-552-556>558-560>563.

Wind Advisory from 8 AM to 8 PM MST Thursday for AZZ530-533.

CA...Red Flag Warning from noon to 9 PM PDT Thursday for CAZ230>232.

Wind Advisory from 8 AM to 8 PM PDT Thursday for CAZ560-561-569-570.

Wind Advisory from 6 PM this evening to 8 PM PDT Thursday for CAZ562-563-566-567.

&&

\$\$

DISCUSSION...Kuhlman
AVIATION...Iniguez
FIRE WEATHER...Iniguez

IOWA STATE UNIVERSITY

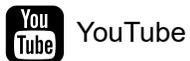
College of Ag
Department of Agronomy

Department of Agronomy

716 Farm House Ln
Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



☐

327

FXUS66 KSGX 111618

AFDSGX

Area Forecast Discussion

National Weather Service San Diego CA

918 AM PDT Wed Apr 11 2018

.SYNOPSIS...

Low clouds and fog at the coast will burn off later this morning. A little cooler today with increasing onshore flow. For tonight into Thursday...expect strong winds over the mountains, deserts and coastal waters, and breezy conditions over coastal areas. There may be some light precipitation along and west of the mountains early Thursday as well. It will be much cooler on Thursday, then warmer over the weekend as winds turn offshore under a high pressure ridge.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO
COUNTIES...

Variable high clouds this morning, along with coastal low clouds and fog as onshore flow develops. Sfc pressure gradients are currently 3.9 mb SAN-TPH and 4.5 mb SAN-DAG. West of the mountains, temperatures are generally lower than at this time yesterday while humidities are generally higher. The highest wind gust in the last hour was 36 mph in the southeast corner of San Diego County.

A low pressure trough approaching the coast this morning will reduce sfc pressure over the Great Basin, strengthening onshore winds. This will push the marine air inland today and result in a much cooler conditions for all except the lower deserts where temps will still reach the mid 90s.

As the trough moves inland on Thu, sfc pressures will decrease further and westerly winds will continue to increase over the mts/deserts where a High Wind Warning goes into effect for this evening through midday Thu. The winds will likely peak Thu morning when gusts of 60 mph are expected and local gusts to 70 mph will be possible. As the trough moves east on Thu, the winds will slowly subside, but it will remain breezy into the evening. Some light precipitation may develop along and west of the mts early Thu morning as forcing from the trough convects the moisture in the

boundary layer, otherwise it will remain dry. Temps will be much lower on Thursday as the trough brings colder air from the east PAC into SOCAL.

A warming trend begins on Fri as the trough moves east, a high pressure ridge builds in from the west and offshore flow begins to develop. Saturday will likely be the warmest day with inland temps in the 80s as the ridge peaks over SOCAL.

Another low pressure trough moves in from the east PAC early next week, bringing another round of gusty winds and cooler weather. This will be followed by fair and warmer weather mid next week.

&&

.AVIATION...

111600Z...Coast/Valleys...Low clouds, with bases 300-900 ft MSL and tops to 1000 ft MSL, and FG/BR, with vis of 3/4 to 5 SM, will clear towards the coast over the next few hours. Areas along the immediate coast may have low clouds throughout the day due to an 8 deg C marine layer inversion. Stratus will redevelop this evening, with higher bases and a further extent inland as an upper-level trough approaches the region.

Mountains/Deserts...West to southwest winds will strengthen this afternoon and peak overnight, with gusts of 50 to 60 kt mainly along desert mountain slopes into adjacent deserts. Rotors, LLWS, and Up/Downdrafts are possible across the area. Otherwise, FEW high clouds through Thu morning.

&&

.MARINE...

Northwest wind gusts of 30-35 kt and combined seas of 10-15 ft will develop this afternoon through Thursday night as an upper-level trough moves across the region. Gusts could reach Gale force at times. A Small Craft Advisory remains in effect from 5 PM this afternoon through 5 AM Friday. Conditions will improve over the weekend, then diminish again on Monday.

&&

.SKYWARN...

Skywarn activation is not requested. However weather spotters are encouraged to report significant weather conditions.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...High Wind Warning from 8 PM this evening to 2 PM PDT Thursday for Apple and Lucerne Valleys-Coachella Valley-Riverside County Mountains-San Bernardino County Mountains-San Diego County Deserts-San Diego County Mountains-San Gorgonio Pass Near Banning.

PZ...Small Craft Advisory from 5 PM this afternoon to 5 AM PDT Friday for Coastal Waters from San Mateo Point to the Mexican Border and out to 30 nm-Waters from San Mateo point to the Mexican Border Extending 30 to 60 nm out including San Clemente Island.

&&

\$\$

PUBLIC...PG

AVIATION/MARINE...JJT

IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

Department of Agronomy

716 Farm House Ln

Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



☐

104

FXUS65 KPSR 111922

AFDPSR

Area Forecast Discussion

National Weather Service Phoenix AZ

1222 PM MST Wed Apr 11 2018

.UPDATE...Updated aviation and fire weather discussions

&

.SYNOPSIS...

High pressure will keep temperatures well above normal today with temperatures again reaching into the upper 90s. A strong but dry weather system will then move across the region Thursday into early Friday ushering in windy and significantly cooler conditions through Saturday. Increasing high pressure and a rebound in temperatures is expected for the weekend into early next week with highs back into the upper 80s to lower 90s by Sunday.

&&

.DISCUSSION...

The impressive ridge axis that brought an early first 100 degree day at Phoenix is moving to the east, but heights and temperatures aloft will remain well above climo normals for another day. An approaching Pacific trough will bring a period of high clouds today while also resulting in breezy southwest winds by late this afternoon. High temperatures will again reach into the middle to upper 90s despite the lowering heights aloft and partly cloudy skies. The current record of 98 degrees in Phoenix may be in jeopardy today with a current forecast high of 98.

The Pacific trough will quickly move east today into tomorrow, first reaching the California coast this evening. This will lead to deepening surface pressure over the Interior West while a strong surface high over the Pacific edges closer to the West Coast. This will create a strong pressure gradient across the Desert Southwest by late afternoon, especially over central portions of southern California. 850mb winds over southeast California increase to around 35-40kts by midnight and this should result in mountain rotor winds developing across the western half of Imperial County starting this evening. Wind Advisory level winds are anticipated to affect this area and likely lead to

periods of blowing dust tonight.

As the Pacific trough continues into the Great Basin and Desert Southwest on Thursday, a dry cold front will quickly push through the area by noon. Winds will become quite gusty throughout the majority of the forecast area by mid Thursday morning with Wind Advisory level winds over all but far southern Arizona. Wind gusts Thursday afternoon and early evening should exceed 35-40mph at times in the advisory area and will likely bring areas of blowing dust with the possibility of localized reduced visibilities below 1/2 mile in dust prone areas. Dry air behind the cold front in combination with the windy conditions will also lead to critical fire weather conditions during the afternoon and early evening. Winds will finally begin to diminish after sunset Thursday, but will remain breezy in most areas throughout the overnight hours. Temperatures Thursday will drop considerably with highs likely only topping out into the lower 80s over the deserts.

The Pacific trough slows up on Friday as it deepens over the central Rockies. This will keep the back end of the trough over the Desert Southwest and allow for even cooler conditions with highs mostly in the middle to upper 70s. The airmass behind the exiting trough will be especially dry with surface dew points dropping from the teens into the single digits by Friday afternoon. The deep surface low over the Central Rockies and increasing high pressure over the Great Basin and the Desert Southwest will maintain a tight pressure gradient over the region. Winds Friday will not be as strong as those on Thursday, but northwesterly wind gusts will likely reach near 30 mph during the afternoon hours. These breezy conditions and very dry air in place may lead to another day of critical fire weather conditions over at least some of the area.

Upper level ridging and warming conditions will take over for the weekend with high temperatures climbing into the middle 80s Saturday to around 90 for Sunday and Monday. Another Pacific trough should pass by to our north Monday night into Tuesday resulting in another breezy day on Monday. The trough should bring a bit of cooling into the middle part of next week with highs likely dropping back down to near normal readings.

&&

.AVIATION...

South-Central Arizona including KPHX, KIWA, and KSDL:

Stronger than usual westerly flow will last well into tonight before easterlies try and reform tomorrow morning. However, there is a

chance that westerly flow may persist through the night for KPHX. Regardless, west winds will pick up early Thursday morning and strengthen into the afternoon. Gusts up to 35 kts will be possible Thursday with a slight chance of reduced visibilities from blowing dust.

Southeast California/Southwest Arizona including KIPL and KBLH:

Very strong westerly flow will persist through our TAF period as a dry weather system moves onshore. It is probable that blowing dust and reduced visibilities (4-6SM) will happen at some point at KIPL between 00Z Thu through 00Z Fri but not confident enough to include it in any given TAF period. Strong westerly flow will continue through Thursday afternoon before weakening Thursday evening.

Aviation Discussion not updated for amended TAFs.

&&

.FIRE WEATHER...

Saturday through Wednesday...

High pressure builds over the Desert SW for Saturday and Sunday allowing winds to become relatively light over the weekend. Temperatures will also rebound with highs near 90 for the lower deserts by Sunday. Another dry weather system will move in on Monday bringing yet more wind to our entire area. At this point an elevated fire weather threat will most certainly exist on Monday, especially in SE California, but it is not clear if we will hit critical fire weather thresholds. Cooler weather and light winds will move in behind this system on Tuesday although conditions will still remain very dry.

&&

.SPOTTER INFORMATION STATEMENT...

Spotter activation will not be needed this week.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...Red Flag Warning from noon to 9 PM MST Thursday for AZZ131>133.

Wind Advisory from 11 AM to 7 PM MST Thursday for AZZ534-537-538-540>542-544-545-547-552-556>558-560>563.

Wind Advisory from 8 AM to 8 PM MST Thursday for AZZ530-533.

CA...Red Flag Warning from noon to 9 PM PDT Thursday for CAZ230>232.

Wind Advisory from 8 AM to 8 PM PDT Thursday for CAZ560-561-569-570.

Wind Advisory from 6 PM this evening to 8 PM PDT Thursday for CAZ562-563-566-567.

&&

\$\$

DISCUSSION...Kuhlman

AVIATION...Wilson

FIRE WEATHER...Wilson

IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

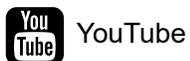
Department of Agronomy

716 Farm House Ln

Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



☐

075

WWUS76 KSGX 111947

NPWSGX

URGENT - WEATHER MESSAGE

National Weather Service San Diego CA

1247 PM PDT Wed Apr 11 2018

...STRONG WEST WINDS DEVELOPING OVER THE MOUNTAINS AND DESERTS THIS EVENING...

.A low pressure trough moving inland across California will bring strong and gusty westerly winds this evening into Thursday over the mountains and deserts.

CAZ055-056-058-060>062-065-120500-

/O.CON.KSGX.HW.W.0004.180412T0300Z-180412T2100Z/

San Bernardino County Mountains-Riverside County Mountains-

San Diego County Mountains-Apple and Lucerne Valleys-

Coachella Valley-San Diego County Deserts-

San Gorgonio Pass Near Banning-

Including the cities of Big Bear City, Wrightwood, Julian, Victorville, Hesperia, Apple Valley, Indio, Palm Springs, Cathedral City, Palm Desert, Palm Desert Country, La Quinta, Coachella, Borrego Springs, and Desert Hot Springs

1247 PM PDT Wed Apr 11 2018

...HIGH WIND WARNING REMAINS IN EFFECT FROM 8 PM THIS EVENING TO 2 PM PDT THURSDAY...

- * Winds...West 25 to 35 mph with gusts to 60 mph. Isolated gusts to 70 mph.
- * Location...Near mountain ridge tops and along desert mountain slopes into adjacent desert areas.
- * Timing...Beginning this evening, with the strongest winds late tonight through Thursday morning. Winds will weaken during the day Thursday.
- * Impacts...The winds will make driving difficult...especially for motorists with high profile vehicles. This will impact portions of Interstate 10 through the San Gorgonio Pass and the Coachella Valley...and Interstate 8 through the San Diego County mountains. In the deserts...areas of blowing dust and sand will reduce visibility at times. Watch for broken tree limbs and other debris.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A High Wind Warning means a hazardous high wind event is expected or occurring. Sustained wind speeds of at least 40 mph or gusts of 58 mph or more can lead to property damage.

&&

\$\$

12

IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

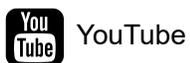
Department of Agronomy

716 Farm House Ln

Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



☐

140

WWUS75 KPSR 111952

NPWPSR

URGENT - WEATHER MESSAGE

National Weather Service Phoenix AZ

1252 PM MST Wed Apr 11 2018

CAZ562-563-566-567-121300-

/O.CON.KPSR.WI.Y.0010.180412T0100Z-180413T0300Z/

Imperial County Southwest-Salton Sea-Imperial County West-

Imperial Valley-

Including the cities of Mountain Spring, Desert Shores,
Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo,
Plaster City, El Centro, Calexico, Alamo, and Brawley

1252 PM PDT Wed Apr 11 2018

...WIND ADVISORY REMAINS IN EFFECT FROM 6 PM THIS EVENING TO 8 PM
PDT THURSDAY...

* AFFECTED AREA...Western Imperial County including the Imperial
Valley and El Centro, the Salton Sea, and portions of
Interstate 8 from El Centro west toward Ocotillo.

* TIMING...From 6 PM this evening until 8 PM Thursday evening.

* WINDS...West winds of 25 to 35 mph gusting to 40 to 50 mph.

* IMPACTS...Difficult driving conditions, especially on roads
closer to the mountains and any north-south oriented roads.
Some areas of blowing dust may develop, limiting visibility.
Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between
30 and 40 mph are expected, or wind gusts of between 40 and
58 mph. Winds this strong can make driving difficult, especially
for high profile vehicles. In addition, strong winds over desert
areas could result in briefly lowered visibilities to well under
a mile at times in blowing dust or blowing sand. Use extra
caution.

&&

\$\$

AZZ534-537-538-540>542-544-121300-
/O.CON.KPSR.WI.Y.0010.180412T1800Z-180413T0200Z/
Aguila Valley-Northwest Valley-Tonopah Desert-Buckeye/Avondale-
Cave Creek/New River-Deer Valley-North Phoenix/Glendale-
Including the cities of Aguila, Gladden, Wickenburg, Circle City,
Surprise, Wittmann, Beardsley, Sun City West, Arlington,
Hassayampa, Tonopah, Wintersburg, Avondale, Cashion, Goodyear,
Liberty, Scottsdale, Peoria, and Phoenix
1252 PM MST Wed Apr 11 2018

...WIND ADVISORY REMAINS IN EFFECT FROM 11 AM TO 7 PM MST
THURSDAY...

- * AFFECTED AREA...Northwest Maricopa County, including the western and northern suburbs of the Phoenix area, Wickenburg, and Interstate 10 from Phoenix westward and Interstate 17 from Phoenix northward.
- * TIMING...Beginning 11 AM Thursday morning continuing to 7 PM Thursday evening.
- * WINDS...Westerly winds of 20 to 30 mph gusting up to 45 mph.
- * IMPACTS...Difficult driving conditions, especially on any north-south oriented roads in open areas. Some areas of blowing dust may develop, limiting visibility. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

&&

\$\$

AZZ530-533-CAZ560-561-569-570-121300-
/O.CON.KPSR.WI.Y.0010.180412T1500Z-180413T0300Z/
Parker Valley-Central La Paz-Joshua Tree NP West-
Joshua Tree NP East-Palo Verde Valley-Chuckwalla Valley-
Including the cities of Parker, Ehrenberg, Brenda, Harcuvar,
Quartzsite, Vicksburg, Vicksburg Junction, Salome,
Cottonwood Visitor, Lost Horse-Keys Village, Martinez Lake,

Blythe, Palo Verde, Ripley, and Midland
1252 PM MST Wed Apr 11 2018 /1252 PM PDT Wed Apr 11 2018/

...WIND ADVISORY REMAINS IN EFFECT FROM 8 AM MST /8 AM PDT/ TO
8 PM MST /8 PM PDT/ THURSDAY...

* AFFECTED AREA...Much of Eastern Riverside County in California
and most of La Paz County in Arizona. This includes Blythe,
Quartzite, Joshua Tree National Park, and portions of
Interstate 10 from near Centennial west through Blythe and
toward Desert Center.

* TIMING...Beginning 8 AM Thursday morning and continuing until
8 PM Thursday evening.

* WINDS...Westerly winds of 25 to 35 mph gusting to 40 to 50 mph.

* IMPACTS...Difficult driving conditions, especially on any
north-south oriented roads in open areas. Some areas of blowing
dust may develop, limiting visibility. Unsecured objects may
become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between
30 and 40 mph are expected, or wind gusts of between 40 and
58 mph. Winds this strong can make driving difficult, especially
for high profile vehicles. In addition, strong winds over desert
areas could result in briefly lowered visibilities to well under
a mile at times in blowing dust or blowing sand. Use extra
caution.

&&

\$\$

AZZ545-547-552-556>558-560>563-121300-
/O.CON.KPSR.WI.Y.0010.180412T1800Z-180413T0200Z/
New River Mesa-Rio Verde/Salt River-Superior-Tonto Basin-
Mazatzal Mountains-Pinal/Superstition Mountains-San Carlos-
Dripping Springs-Globe/Miami-Southeast Gila County-
Including the cities of Superior, Punkin Center, Sunflower,
San Carlos, Peridot, Hayden, Winkelman, Globe, and Miami
1252 PM MST Wed Apr 11 2018

...WIND ADVISORY REMAINS IN EFFECT FROM 11 AM TO 7 PM MST
THURSDAY...

* AFFECTED AREA...Far northeast Maricopa County and all of

southern Gila County. This includes Superior, Globe, Punkin Center, and San Carlos.

* TIMING...Beginning 11 AM Thursday morning and continuing until 7 PM Thursday evening.

* WINDS...Westerly winds of 25 to 35 mph gusting up to 45 mph.

* IMPACTS...Difficult driving conditions, especially on any north-south oriented roads in open areas. Winds may become enhanced in east-west valleys. Stronger winds will occur over area lakes, including Lake Roosevelt. At lower elevations, some areas of blowing dust may develop. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

&&

\$\$

IOWA STATE UNIVERSITY

College of Ag
Department of Agronomy

Department of Agronomy

716 Farm House Ln
Ames, IA 50011

akrherz@iastate.edu
515-294-5978 phone

☐

954

FXUS66 KSGX 112042

AFDSGX

Area Forecast Discussion

National Weather Service San Diego CA

142 PM PDT Wed Apr 11 2018

.SYNOPSIS...

Cooler today with increasing onshore flow. For tonight into Thursday...expect strong winds over the mountains, deserts and coastal waters, and breezy conditions over coastal areas. There may be some light precipitation along and west of the mountains early Thursday as well. It will be much cooler on Thursday, then warmer over the weekend as winds turn offshore under a high pressure ridge.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO
COUNTIES...

The low clouds had cleared from the coastal areas late this morning but the strengthening onshore breezes have brought them back to the coast this afternoon. Several locations have reported wind gusts of 30 mph or more in the last hour and a gust of 50 mph was reported at Whitewater on the desert side of the Banning Pass. Current temperatures are 10-20 degrees lower than this time yesterday west of the mountains.

A low pressure trough approaching the coast to our north moves inland on Thu, sfc pressures will decrease further and westerly winds will continue to increase over the mts/deserts where a High Wind Warning goes into effect for this evening through midday Thu. The winds will likely peak early Thu morning when gusts of 60 mph are expected and local gusts to 70 mph will be possible. As the trough moves east on Thu, the winds will slowly subside, but it will remain breezy into the evening. Some light precipitation may develop along and west of the mts early Thu morning as forcing from the trough convects the moisture in the boundary layer, otherwise it will remain dry. Temps will be much lower on Thursday as the trough brings colder air from the east PAC into SOCAL.

A warming trend begins on Fri as the trough moves east, a high pressure ridge builds in from the west and offshore flow begins to develop. Saturday will likely be the warmest day with inland

temps in the 80s as the ridge peaks over SOCAL.

Another low pressure trough moves in from the east PAC early next week, bringing another round of gusty winds and cooler weather. This will be followed by fair and warmer weather mid next week.

&&

.AVIATION...

112030Z...Coast/Valleys...Low clouds, with bases around 1100 ft MSL, will linger along the immediate coast at times today. Stratus will redevelop this evening, with bases around 1500-2000 ft MSL, and push into the foothills overnight as an upper-level trough approaches the region. Low clouds will clear along the coast by late Thursday morning, and may linger along the coastal mountain slopes into the early afternoon.

Mountains/Deserts...West to southwest winds will strengthen this afternoon and peak overnight, with gusts of 50 to 60 kt mainly along desert mountain slopes into adjacent deserts. Rotors, LLWS, and Up/Downdrafts are possible across the area. Otherwise, FEW high clouds through Thu morning.

&&

.MARINE...

Northwest wind gusts of 30-35 kt and combined seas of 10-15 ft will develop this afternoon through Thursday night as an upper-level trough moves across the region. Gusts could reach Gale force at times. A Small Craft Advisory remains in effect from 5 PM this afternoon through 5 AM Friday. Conditions will improve over the weekend, then diminish again on Monday.

&&

.SKYWARN...

Skywarn activation is not requested. However weather spotters are encouraged to report significant weather conditions.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...High Wind Warning from 8 PM this evening to 2 PM PDT Thursday for Apple and Lucerne Valleys-Coachella Valley-Riverside County Mountains-San Bernardino County Mountains-San Diego County Deserts-San Diego County Mountains-San Gorgonio Pass Near Banning.

PZ...Small Craft Advisory from 5 PM this afternoon to 5 AM PDT Friday for Coastal Waters from San Mateo Point to the Mexican Border and out to 30 nm-Waters from San Mateo point to the Mexican Border Extending 30 to 60 nm out including San Clemente Island.

&&

\$\$

PUBLIC...PG

AVIATION/MARINE...JJT

IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

Department of Agronomy

716 Farm House Ln

Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



☐

014

FXUS65 KPSR 112102

AFDPSR

Area Forecast Discussion

National Weather Service Phoenix AZ

202 PM MST Wed Apr 11 2018

.SYNOPSIS...

Lingering high pressure will keep temperatures well above normal today with highs once again reaching the upper 90s. A strong, dry weather system will then move across the region Thursday into early Friday ushering in windy and significantly cooler conditions through Saturday. Increasing high pressure and a rebound in temperatures is expected for the weekend with highs back into the upper 80s to lower 90s by Sunday.

&&

.DISCUSSION...

The current satellite shows a large strip of moderate cirrus crossing AZ ahead of the approaching storm system. The pre-storm system clouds are seen further north as they head into the Intermountain West. Some AZ webcams show attenuated insolation still penetrating the cirrus deck at various locales such as Yuma. Although yesterday's high amplitude ridge has flattened and shifted east, H5 heights are still running near 582 dam which will support this last day of highs reaching the mid to upper 90s, and significant heat risk, across the lower deserts.

The Pacific storm system will dig south and advance rapidly into the western states this afternoon and evening. With the associated height falls and tightening gradient, expect breezy conditions to develop this afternoon across the lower deserts. Then strong gusty winds near 35-45kt will develop very late this afternoon through tonight in SE CA and spread east into far W-SW AZ ahead of, and with the dry cold front early Thursday. With these Wind Advisory level winds, expect areas of blowing dust to also develop with some visibilities falling to less than 1/2 mile.

The dry cold front is forecast to push through the remaining lower desert areas on Thursday with a good shot of cold air, very strong and gusty winds, and more areas of blowing dust and reduced visibilities. Expect the main stronger Wind Advisory level winds over the northern lower deserts. Operational and high-res models are in agreement on FROPA for Phoenix and Maricopa County near 15-18Z. Additional CAA, strong post frontal winds, and areas of blowing dust

will continue to impact the lower deserts through Friday and Friday night/early Saturday morning. This is the result of the trailing southwest side of the exiting trough which will maintain strong northwesterly cyclonic jet stream flow aloft. The strong winds combined with the continued very dry conditions will bring critical fire danger to the region on Thursday and Thursday evening with Red Flag warnings in place across the entire region. Elevated fire danger and possible Red Flag conditions will continue on Friday, except with cooler temperatures in place by then. The highs by Friday are only expected to reach the mid to upper 70s across the deserts.

For Saturday models are in good agreement on a ridge building over the Intermountain West and ushering in a rebound of temperatures. The weekend warming trend will bring seasonably warm 80s for Saturday and the upper 80s to low 90s for Sunday and Monday. Another dry weather system late Monday and Tuesday should bring very breezy to windy conditions to western areas and drop Tuesday's temperatures back down to near or slightly below seasonable norms.

&&

.AVIATION...

South-Central Arizona including KPHX, KIWA, and KSDL:

Stronger than usual westerly flow will last well into tonight before easterlies try and reform tomorrow morning. However, there is a chance that westerly flow may persist through the night for KPHX. Regardless, west winds will pick up early Thursday morning and strengthen into the afternoon. Gusts up to 35 kts will be possible Thursday with a slight chance of reduced visibilities from blowing dust.

Southeast California/Southwest Arizona including KIPL and KBLH:

Very strong westerly flow will persist through our TAF period as a dry weather system moves onshore. It is probable that blowing dust and reduced visibilities (4-6SM) will happen at some point at KIPL between 00Z Thu through 00Z Fri but not confident enough to include it in any given TAF period. Strong westerly flow will continue through Thursday afternoon before weakening Thursday evening.

Aviation Discussion not updated for amended TAFs.

&&

.FIRE WEATHER...

Saturday through Wednesday...

High pressure builds over the Desert SW for Saturday and Sunday allowing winds to become relatively light over the weekend. Temperatures will also rebound with highs near 90 for the lower deserts by Sunday. Another dry weather system will move in on Monday bringing yet more wind to our entire area. At this point an elevated fire weather threat will most certainly exist on Monday, especially in SE California, but it is not clear if we will hit critical fire weather thresholds. Cooler weather and light winds will move in behind this system on Tuesday although conditions will still remain very dry.

&&

.SPOTTER INFORMATION STATEMENT...

Spotter activation will not be needed this week.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...Red Flag Warning from noon to 9 PM MST Thursday for AZZ131>133.

Wind Advisory from 11 AM to 7 PM MST Thursday for AZZ534-537-538-540>542-544-545-547-552-556>558-560>563.

Wind Advisory from 8 AM to 8 PM MST Thursday for AZZ530-533.

CA...Red Flag Warning from noon to 9 PM PDT Thursday for CAZ230>232.

Wind Advisory from 8 AM to 8 PM PDT Thursday for CAZ560-561-569-570.

Wind Advisory from 6 PM this evening to 8 PM PDT Thursday for CAZ562-563-566-567.

&&

\$\$

DISCUSSION...Sawtelle

AVIATION...Wilson

FIRE WEATHER...Wilson

☐

571

WWUS76 KSGX 120343

NPWSGX

URGENT - WEATHER MESSAGE

National Weather Service San Diego CA

843 PM PDT Wed Apr 11 2018

...STRONG WEST WINDS CONTINUING OVER THE MOUNTAINS AND DESERTS THROUGH THURSDAY AFTERNOON...

.A low pressure trough moving inland across California will bring strong and gusty westerly winds through Thursday afternoon over the mountains and deserts.

CAZ055-056-058-060>062-065-121200-

/O.CON.KSGX.HW.W.0004.000000T0000Z-180412T2100Z/

San Bernardino County Mountains-Riverside County Mountains-

San Diego County Mountains-Apple and Lucerne Valleys-

Coachella Valley-San Diego County Deserts-

San Gorgonio Pass Near Banning-

Including the cities of Big Bear City, Wrightwood, Julian, Victorville, Hesperia, Apple Valley, Indio, Palm Springs, Cathedral City, Palm Desert, Palm Desert Country, La Quinta, Coachella, Borrego Springs, and Desert Hot Springs

843 PM PDT Wed Apr 11 2018

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 2 PM PDT THURSDAY...

* Winds...West 25 to 35 mph with gusts to 60 mph. Isolated gusts to 70 mph.

* Location...Near mountain ridge tops and along desert mountain slopes into adjacent desert areas.

* Timing...through Thursday afternoon. Strongest winds late tonight through Thursday morning. Winds will weaken during the day Thursday.

* Impacts...The winds will make driving difficult...especially for motorists with high profile vehicles. This will impact portions of Interstate 10 through the San Gorgonio Pass and the Coachella Valley...and Interstate 8 through the San Diego County mountains and desert. In the deserts...areas of blowing dust and sand will reduce visibility at times. Watch for broken tree limbs and other debris.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A High Wind Warning means a hazardous high wind event is expected or occurring. Sustained wind speeds of at least 40 mph or gusts of 58 mph or more can lead to property damage.

&&

\$\$

Gregoria

IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

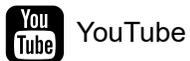
Department of Agronomy

716 Farm House Ln

Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



☐

683

FXUS66 KSGX 120420

AFDSGX

Area Forecast Discussion

National Weather Service San Diego CA

920 PM PDT Wed Apr 11 2018

.SYNOPSIS...

For tonight into Thursday...expect strong winds over the mountains, deserts and coastal waters, and breezy conditions over coastal areas. There may be some light precipitation along and west of the mountains early Thursday as well. It will be much cooler on Thursday, then warmer over the weekend as winds turn offshore under a high pressure ridge.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO
COUNTIES...

...Update...

Winds have increased this evening with peak gusts from the mountain crests to the deserts in the 40-50 mph range. CHP reported a palm tree downed just SW of Coachella. Blowing dust was seen on visible satellite imagery as well. Thermal, after reaching a record-breaking 103F degrees today, then saw visibility drop to 1 1/4 mile in blowing dust this evening. A High Wind Warning remains in effect through Thursday at 2 PM from the mountain ridges to the deserts. However, latest WRF run shows another peak in the wind occurring over the lower deserts/Coachella Valley late afternoon-early evening on Thursday, so an extension in time of the High Wind Warning may be needed.

West of the mountains winds are much lighter. Marine layer stratus has filled into the inland valleys of San Diego County with less low overcast across Orange County. Light rain is possible overnight through early Thursday morning across San Diego county and to the coastal mountain slopes with rainfall amounts of just a hundredth of an inch or so, but just enough to make roads slick in spots.

...Previous Discussion (Issued at 142 PM PDT Wed Apr 11 2018)...

A low pressure trough approaching the coast to our north moves

inland on Thu, sfc pressures will decrease further and westerly winds will continue to increase over the mts/deserts where a High Wind Warning goes into effect for this evening through midday Thu. The winds will likely peak early Thu morning when gusts of 60 mph are expected and local gusts to 70 mph will be possible. As the trough moves east on Thu, the winds will slowly subside, but it will remain breezy into the evening. Some light precipitation may develop along and west of the mts early Thu morning as forcing from the trough convects the moisture in the boundary layer, otherwise it will remain dry. Temps will be much lower on Thursday as the trough brings colder air from the east PAC into SOCAL.

A warming trend begins on Fri as the trough moves east, a high pressure ridge builds in from the west and offshore flow begins to develop. Saturday will likely be the warmest day with inland temps in the 80s as the ridge peaks over SOCAL.

Another low pressure trough moves in from the east PAC early next week, bringing another round of gusty winds and cooler weather. This will be followed by fair and warmer weather mid next week.

&&

.AVIATION...

120315Z...Coast/Valleys...Stratus with bases 1500-1900 ft MSL will push into the inland valleys and lower mountain slopes overnight. Bases lifting to 2000-3000 ft MSL by 12Z, then clearing 14-17Z. Otherwise scattered high clouds through Thursday evening.

Mountains/Deserts...West to southwest winds will strengthen this overnight, with gusts of 45 to 55 kt mainly along mountain ridges, desert mountain slopes, and into adjacent desert areas. Rotors, LLWS, and Up/Downdrafts are possible over and east of the mountains. Otherwise, scattered high clouds through Thu evening.

&&

.MARINE...

Northwest wind gusts of 25-35 kt and combined seas of 10-13 ft will continue through Thursday night as an upper-level trough moves across the region. Gusts could locally reach gale force at times. A Small Craft Advisory remains in effect through 5 AM Friday. Conditions will improve over the weekend, then winds will increase again on Monday.

&&

.SKYWARN...

Skywarn activation is not requested. However weather spotters are

encouraged to report significant weather conditions.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...High Wind Warning until 2 PM PDT Thursday for Apple and Lucerne Valleys-Coachella Valley-Riverside County Mountains-San Bernardino County Mountains-San Diego County Deserts-San Diego County Mountains-San Gorgonio Pass Near Banning.

PZ...Small Craft Advisory until 5 AM PDT Friday for Coastal Waters from San Mateo Point to the Mexican Border and out to 30 nm- Waters from San Mateo point to the Mexican Border Extending 30 to 60 nm out including San Clemente Island.

&&

\$\$

PUBLIC...Gregoria (Update)/PG (Prev Discussion)
AVIATION/MARINE...SS

IOWA STATE UNIVERSITY

College of Ag
Department of Agronomy

Department of Agronomy

716 Farm House Ln
Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



☐

707

WWUS75 KPSR 120428

NPWPSR

URGENT - WEATHER MESSAGE

National Weather Service Phoenix AZ

928 PM MST Wed Apr 11 2018

AZZ543-546-548-550-121400-

/O.EXA.KPSR.WI.Y.0010.180412T1800Z-180413T0200Z/

Central Phoenix-Scottsdale/Paradise Valley-East Valley-

South Mountain/Ahwatukee-

Including the cities of Paradise Valley, Mesa, Chandler, Tempe,
and Gilbert

928 PM MST Wed Apr 11 2018

...WIND ADVISORY IN EFFECT FROM 11 AM TO 7 PM MST THURSDAY...

The National Weather Service in Phoenix has issued a Wind
Advisory, which is in effect from 11 AM to 7 PM MST Thursday.

* AFFECTED AREA...North-central Maricopa County, including the
central and eastern portions of the Greater Phoenix area.

* TIMING...Beginning 11 AM Thursday morning continuing to 7 PM
Thursday evening.

* WINDS...Westerly winds of 20 to 30 mph gusting up to 45 mph.

* IMPACTS...Difficult driving conditions, especially on any
north- south oriented roads in open areas. Some areas of
blowing dust may develop, limiting visibility. Unsecured
objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between
30 and 40 mph are expected, or wind gusts of between 40 and
58 mph. Winds this strong can make driving difficult, especially
for high profile vehicles. In addition, strong winds over desert
areas could result in briefly lowered visibilities to well under
a mile at times in blowing dust or blowing sand. Use extra
caution.

&&

\$\$

AZZ534-537-538-540>542-544-121400-
 /O.CON.KPSR.WI.Y.0010.180412T1800Z-180413T0200Z/
 Aguila Valley-Northwest Valley-Tonopah Desert-Buckeye/Avondale-
 Cave Creek/New River-Deer Valley-North Phoenix/Glendale-
 Including the cities of Aguila, Gladden, Wickenburg, Circle City,
 Surprise, Wittmann, Beardsley, Sun City West, Arlington,
 Hassayampa, Tonopah, Wintersburg, Avondale, Cashion, Goodyear,
 Liberty, Scottsdale, Peoria, and Phoenix
 928 PM MST Wed Apr 11 2018

..WIND ADVISORY REMAINS IN EFFECT FROM 11 AM TO 7 PM MST
 THURSDAY...

- * AFFECTED AREA...Northwest Maricopa County, including the western and northern suburbs of the Phoenix area, Wickenburg, and Interstate 10 from Phoenix westward and Interstate 17 from Phoenix northward.
- * TIMING...Beginning 11 AM Thursday morning continuing to 7 PM Thursday evening.
- * WINDS...Westerly winds of 20 to 30 mph gusting up to 45 mph.
- * IMPACTS...Difficult driving conditions, especially on any north- south oriented roads in open areas. Some areas of blowing dust may develop, limiting visibility. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

&&

\$\$

CAZ562-563-566-567-121400-
 /O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0300Z/
 Imperial County Southwest-Salton Sea-Imperial County West-
 Imperial Valley-
 Including the cities of Mountain Spring, Desert Shores,
 Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo,

Plaster City, El Centro, Calexico, Alamo, and Brawley
928 PM PDT Wed Apr 11 2018

...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THURSDAY...

* AFFECTED AREA...Western Imperial County including the Imperial Valley and El Centro, the Salton Sea, and portions of Interstate 8 from El Centro west toward Ocotillo.

* TIMING...From 6 PM this evening until 8 PM Thursday evening.

* WINDS...West winds of 25 to 35 mph gusting to 40 to 50 mph.

* IMPACTS...Difficult driving conditions, especially on roads closer to the mountains and any north-south oriented roads. Some areas of blowing dust may develop, limiting visibility. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

&&

\$\$

AZZ530-533-CAZ560-561-569-570-121400-
/O.CON.KPSR.WI.Y.0010.180412T1500Z-180413T0300Z/
Parker Valley-Central La Paz-Joshua Tree NP West-
Joshua Tree NP East-Palo Verde Valley-Chuckwalla Valley-
Including the cities of Parker, Ehrenberg, Brenda, Harcuvar,
Quartzsite, Vicksburg, Vicksburg Junction, Salome,
Cottonwood Visitor, Lost Horse-Keys Village, Martinez Lake,
Blythe, Palo Verde, Ripley, and Midland
928 PM MST Wed Apr 11 2018 /928 PM PDT Wed Apr 11 2018/

...WIND ADVISORY REMAINS IN EFFECT FROM 8 AM MST /8 AM PDT/ TO
8 PM MST /8 PM PDT/ THURSDAY...

* AFFECTED AREA...Much of Eastern Riverside County in California and most of La Paz County in Arizona. This includes Blythe, Quartzite, Joshua Tree National Park, and portions of Interstate 10 from near Centennial west through Blythe and

toward Desert Center.

* TIMING...Beginning 8 AM Thursday morning and continuing until 8 PM Thursday evening.

* WINDS...Westerly winds of 25 to 35 mph gusting to 40 to 50 mph.

* IMPACTS...Difficult driving conditions, especially on any north-south oriented roads in open areas. Some areas of blowing dust may develop, limiting visibility. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

&&

\$\$

AZZ545-547-552-556>558-560>563-121400-
/O.CON.KPSR.WI.Y.0010.180412T1800Z-180413T0200Z/
New River Mesa-Rio Verde/Salt River-Superior-Tonto Basin-
Mazatzal Mountains-Pinal/Superstition Mountains-San Carlos-
Dripping Springs-Globe/Miami-Southeast Gila County-
Including the cities of Superior, Punkin Center, Sunflower,
San Carlos, Peridot, Hayden, Winkelman, Globe, and Miami
928 PM MST Wed Apr 11 2018

...WIND ADVISORY REMAINS IN EFFECT FROM 11 AM TO 7 PM MST
THURSDAY...

* AFFECTED AREA...Far northeast Maricopa County and all of southern Gila County. This includes Superior, Globe, Punkin Center, and San Carlos.

* TIMING...Beginning 11 AM Thursday morning and continuing until 7 PM Thursday evening.

* WINDS...Westerly winds of 25 to 35 mph gusting up to 45 mph.

* IMPACTS...Difficult driving conditions, especially on any north-south oriented roads in open areas. Winds may become

enhanced in east-west valleys. Stronger winds will occur over area lakes, including Lake Roosevelt. At lower elevations, some areas of blowing dust may develop. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

&&

\$\$

IOWA STATE UNIVERSITY

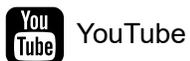
College of Ag
Department of Agronomy

Department of Agronomy

716 Farm House Ln
Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



☐

992

FXUS65 KPSR 120444

AFDPSR

Area Forecast Discussion

National Weather Service Phoenix AZ

944 PM MST Wed Apr 11 2018

.SYNOPSIS...

Lingering high pressure will keep temperatures well above normal today with highs once again reaching the upper 90s. A strong, dry weather system will then move across the region Thursday into early Friday ushering in windy and significantly cooler conditions through Saturday. Increasing high pressure and a rebound in temperatures is expected for the weekend with highs back into the upper 80s to lower 90s by Sunday.

&&

.DISCUSSION...

West winds have finally strengthened across southeast California this evening, with gusts up to 45 kt observed over El Centro. This will likely persist overnight before the strong winds expand eastward, in concert with a 40-50 kt 700-hPa jet becoming positioned across southern California into northeast Arizona.

Given the orientation of the strongest low-/mid-level flow, the Wind Advisory was expanded slightly eastward to cover most of the Greater Phoenix area late Thursday morning through evening. Patchy blowing dust will be possible across outlying areas. Fire weather concerns will also remain high across the entire region given the combination of strong winds and low humidities, but no changes have been made currently to the ongoing Red Flag Warning in effect Thursday.

&&

.PREVIOUS DISCUSSION...

The Pacific storm system will dig south and advance rapidly into the western states this afternoon and evening. With the associated height falls and tightening gradient, expect breezy conditions to develop this afternoon across the lower deserts. Then strong gusty winds near 35-45kt will develop very late this afternoon through tonight in SE CA and spread east into far W-SW AZ ahead of, and with the dry cold front early Thursday. With these Wind Advisory level winds, expect areas of blowing dust to also develop with some visibilities falling to less than 1/2 mile.

The dry cold front is forecast to push through the remaining lower desert areas on Thursday with a good shot of cold air, very strong and gusty winds, and more areas of blowing dust and reduced visibilities. Expect the main stronger Wind Advisory level winds over the northern lower deserts. Operational and high-res models are in agreement on FROPA for Phoenix and Maricopa County near 15-18Z. Additional CAA, strong post frontal winds, and areas of blowing dust will continue to impact the lower deserts through Friday and Friday night/early Saturday morning. This is the result of the trailing southwest side of the exiting trough which will maintain strong northwesterly cyclonic jet stream flow aloft. The strong winds combined with the continued very dry conditions will bring critical fire danger to the region on Thursday and Thursday evening with Red Flag warnings in place across the entire region. Elevated fire danger and possible Red Flag conditions will continue on Friday, except with cooler temperatures in place by then. The highs by Friday are only expected to reach the mid to upper 70s across the deserts.

For Saturday models are in good agreement on a ridge building over the Intermountain West and ushering in a rebound of temperatures. The weekend warming trend will bring seasonably warm 80s for Saturday and the upper 80s to low 90s for Sunday and Monday. Another dry weather system late Monday and Tuesday should bring very breezy to windy conditions to western areas and drop Tuesday's temperatures back down to near or slightly below seasonable norms.

&&

.AVIATION...

South-Central Arizona including KPHX, KIWA, and KSDL:
West winds have weakened and become less gusty this evening across most of the Phoenix area with the loss of heating. As the upper-level storm system advances towards the region, may see a period of strong flow above the surface resulting in a period of moderate low-level wind shear between 05-10Z. Flow above the surface should weaken temporarily thereafter, and a brief period of southeasterly winds remains in the forecast.

Westerly surface winds will restrengthen by late morning, with gusty winds to 25 kt becoming common, and occasional gusts to 35 kt possible during the late afternoon/early evening. Can't rule out reductions in slantwise visibility and areas of blowing dust with modest reductions in surface visibilities down to 5 SM during the peak period of strong winds.

Southeast California/Southwest Arizona including KIPL and KBLH:

Strong west winds will continue overnight across KIPL and KBLH. Appears a period of blowing dust will be possible after 09Z at KIPL with visibilities falling below 6 miles at times. Still difficult to pinpoint the exact timing of this however. Winds will probably peak at KIPL before early afternoon. Southwest winds can be expected at KBLH before veering towards the northwest Thursday afternoon, and expect some strengthening in the wake of a wind shift during the late afternoon. Less confidence in low visibilities at KBLH at this time.

Aviation Discussion not updated for amended TAFs.

&&

.FIRE WEATHER...

Saturday through Wednesday...

High pressure builds over the Desert SW for Saturday and Sunday allowing winds to become relatively light over the weekend. Temperatures will also rebound with highs near 90 for the lower deserts by Sunday. Another dry weather system will move in on Monday bringing yet more wind to our entire area. At this point an elevated fire weather threat will most certainly exist on Monday, especially in SE California, but it is not clear if we will hit critical fire weather thresholds. Cooler weather and light winds will move in behind this system on Tuesday although conditions will still remain very dry.

&&

.SPOTTER INFORMATION STATEMENT...

Spotter activation will not be needed this week.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...Red Flag Warning from noon to 9 PM MST Thursday for AZZ131>133.

Wind Advisory from 11 AM to 7 PM MST Thursday for AZZ534-537-538-540>548-550-552-556>558-560>563.

Wind Advisory from 8 AM to 8 PM MST Thursday for AZZ530-533.

CA...Red Flag Warning from noon to 9 PM PDT Thursday for CAZ230>232.

Wind Advisory from 8 AM to 8 PM PDT Thursday for CAZ560-561-569-570.

Wind Advisory until 8 PM PDT Thursday for CAZ562-563-566-567.

&&

\$\$

DISCUSSION...Rogers

PREVIOUS DISCUSSION...Sawtelle

AVIATION...Rogers

FIRE WEATHER...Wilson

IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

Department of Agronomy

716 Farm House Ln

Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



Copyright © 2001-2019

Iowa State University

of Science and Technology

All rights reserved.

☐

946

FXUS65 KPSR 120956

AFDPSR

Area Forecast Discussion

National Weather Service Phoenix AZ

256 AM MST Thu Apr 12 2018

.SYNOPSIS...

A strong but dry weather system will move across the region today into early Friday ushering in windy and significantly cooler conditions through Saturday. Increasing high pressure and a rebound in temperatures is expected for Sunday and Monday with highs back into the upper 80s to lower 90s. Another weak weather system will mainly pass to the north late next Monday and Tuesday allowing for a return of windy conditions and another drop in temperatures into the middle of next week.

&&

.DISCUSSION...

A strong Pacific trough is currently moving through the Western U.S. with the southern most embedded shortwave trough moving through southern Nevada. Gusty winds have already begun across portions of southeast California, mainly mountain wave induced, and will become widespread and increase during the middle to late part of the morning. As the trough moves through the Great Basin and Desert Southwest today, the strongest wind event so far this season will occur. Wind gusts of 40-45 mph will be common this afternoon, especially north of a Gila Bend to Blythe, CA line. A cold front moving through the area later this morning will bring rapidly drying conditions with humidities dropping below 15% by around noon in most locations. The strong winds and the dry conditions this afternoon and evening will result in very high fire danger with Red Flag Warnings spanning the entire area. Another potential impact today will be areas of blowing dust and the possibility of localized dense blowing dust with visibility restrictions at times below 1/2 mile. The cold front will usher in modestly cooler air today with highs only topping out in the lower 80s in most lower desert locations.

The trough will continue to the east tonight, but the back side will linger across eastern Arizona through Friday morning. The pressure gradient will relax somewhat into Friday, but northwesterly gusts during the daytime hours Friday will likely exceed 30-35 mph at times, just below advisory level. Further drying into Friday will lead to dangerously low humidities by the

afternoon with readings falling down to near 5%. The very dry conditions and gusty winds will again lead to Red Flag conditions over much of Arizona for Friday afternoon and early evening. Temperatures will drop even further on Friday with highs only reaching into the upper 70s to near 80 over the deserts (5-7 degrees below normal).

Starting Saturday, the trough will have moved far enough east to allow for ridging to take over across the Desert Southwest and for winds to diminish. The increasing heights aloft will give rise to warming conditions as highs again reach to near normal readings on Saturday. The ridge axis passes through the region Saturday night and Sunday, so Sunday still looks to be the warmest day of the period with highs into the lower 90s over much of the deserts.

Another significant dry Pacific trough is forecast to move onshore Monday, eventually moving into the Great Basin and the Desert Southwest on Tuesday. Monday again looks to be warm with highs only a few degrees lower than Sunday. The approaching trough will also lead to breezy to windy conditions Monday, but for now winds seem to fall just short of advisory criteria. A dry cold front should pass through the region early Tuesday allowing for highs to only reach to around 80 degrees. Slight recovery is anticipated through the middle of next week with temperatures climbing back to around normals, but it may not last long as we face the potential of another Pacific low for late next week. This trough has better potential for moving directly through the Desert Southwest, and if it would, it would bring a return to rain chances.

&&

.AVIATION...

South-Central Arizona including KPHX, KIWA, and KSDL:

West winds have weakened and become less gusty this evening across most of the Phoenix area with the loss of heating. As the upper-level storm system advances towards the region, may see a period of strong flow above the surface resulting in a period of moderate low-level wind shear between 05-10Z. Flow above the surface should weaken temporarily thereafter, and a brief period of southeasterly winds remains in the forecast.

Westerly surface winds will restrengthen by late morning, with gusty winds to 25 kt becoming common, and occasional gusts to 35 kt possible during the late afternoon/early evening. Can't rule out reductions in slantwise visibility and areas of blowing dust with modest reductions in surface visibilities down to 5 SM during the peak period of strong winds.

Southeast California/Southwest Arizona including KIPL and KBLH:

Strong west winds will continue overnight across KIPL and KBLH. Appears a period of blowing dust will be possible after 09Z at KIPL with visibilities falling below 6 miles at times. Still difficult to pinpoint the exact timing of this however. Winds will probably peak at KIPL before early afternoon. Southwest winds can be expected at KBLH before veering towards the northwest Thursday afternoon, and expect some strengthening in the wake of a wind shift during the late afternoon. Less confidence in low visibilities at KBLH at this time.

Aviation Discussion not updated for amended TAFs.

&&

.FIRE WEATHER...

Saturday through Wednesday...

High pressure builds over the Desert SW for Saturday and Sunday allowing winds to become relatively light over the weekend. Temperatures will also rebound with highs near 90 for the lower deserts by Sunday. Another dry weather system will move in on Monday bringing yet more wind to our entire area. At this point an elevated fire weather threat will most certainly exist on Monday, especially in SE California, but it is not clear if we will hit critical fire weather thresholds. Cooler weather and light winds will move in behind this system on Tuesday although conditions will still remain very dry.

&&

.SPOTTER INFORMATION STATEMENT...

Spotter activation will not be needed this week.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...Red Flag Warning from noon today to 9 PM MST this evening for AZZ131>133.

Red Flag Warning from 11 AM to 7 PM MST Friday for AZZ132.

Wind Advisory from 11 AM this morning to 7 PM MST this evening for AZZ534-537-538-540>548-550-552-556>558-560>563.

Wind Advisory from 8 AM this morning to 8 PM MST this evening for AZZ530-533.

CA...Red Flag Warning from noon today to 9 PM PDT this evening for CAZ230>232.

Wind Advisory from 8 AM this morning to 8 PM PDT this evening for CAZ560-561-569-570.

Wind Advisory until 8 PM PDT this evening for CAZ562-563-566-567.

&&

\$\$

DISCUSSION...Kuhlman
AVIATION...Rogers
FIRE WEATHER...Wilson

IOWA STATE UNIVERSITY

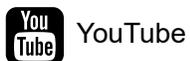
College of Ag
Department of Agronomy

Department of Agronomy

716 Farm House Ln
Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



☐

968

FXUS66 KSGX 121016

AFDSGX

Area Forecast Discussion

National Weather Service San Diego CA

316 AM PDT Thu Apr 12 2018

.SYNOPSIS...

a low pressure trough will move over California this morning, producing strong westerly winds over the mountains and deserts, and a chance for a few light showers, mainly western San Diego County. The trough will slide east this afternoon, allowing winds to slowly subside late today and overnight. Cooler tonight as drier air invades the region under mostly clear skies, then warmer into the weekend under weak high pressure aloft and offshore flow. Winds turn back onshore Sunday in advance of another Pacific trough. Cooling will begin over coastal areas and spread inland through Tuesday as strong westerly winds redevelop over the mountains and deserts.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO
COUNTIES...

Satellite imagery at 2 AM PDT showed partially masked areas of low clouds, topped by thin, higher clouds at times. No measurable rain was reported. The onshore sfc pressure gradient had ramped up significantly from yesterday and stood at 17 MBS KSAN to SW NV and about 8 MBS KSAN to the lower deserts. Wind gust reports indicate higher speeds over the mtns through 3 AM PDT. Peak gusts were 67 MPH through the San Gorgonio Pass and 60 MPH at Volcan Mtn in San Diego County.

Water vapor imagery through 2 AM PDT showed the axis of the Pacific trough just swinging inland. As of 08Z...The sfc low over eastern NV had reached a central pressure of 992 MBS. As the low moves east this morning, the gradient should begin to relax, however strong winds aloft will continue through the morning, supporting high wind conditions over the mtns and desert slopes into midday. It will be breezy west of the mts as well today with winds of 20 to 25 MPH and higher gusts at times. A High Wind Warning remains in effect for the mts/deserts into early afternoon.

Gusty northwest winds will continue to affect desert areas into the

evening, but the strongest winds will likely occur this morning. As the winds subside under clear skies, it will be a chilly night as drier continental air replaces the marine air. Offshore flow will dominate the sfc pattern across the SW on Friday into early Saturday, setting us up for rapid warming and above average high temps again Fri/Sat. Cooler on Sunday as the winds turn back onshore.

Another trough will move over the state late Mon/Mon night, with a replay of the gusty westerly winds and cooler weather. Once again, there is a small chance for scattered, light rain along and west of the mts, but the system will be moisture starved. Yet another system will follow mid next week and may be better equipped to generate some measurable precip across the region, but that is a week away.

&&

.AVIATION...

120900Z...Coast/Valleys...Areas of low clouds with bases 1500-2500 feet MSL most solid in San Diego County will rise a little through sunrise and clear by 14-17Z. High clouds decreasing this morning. Brisk westerly winds with gust to 25 kt through KSNA into KONT this afternoon. Mostly clear skies after 17Z through tonight.

Mountains/Deserts...Westerly winds will continue strong today with local gusts of 45 to 55 kt mainly along mountain ridges, desert mountain slopes, and into adjacent desert areas. Rotors, LLWS, and Up/Downdrafts are possible over and east of the mountains particularly vcnty KPSP. Winds decreasing late afternoon and overnight. Decreasing high clouds this morning.

&&

.MARINE...

Strong northwest winds, choppy wind waves, and building swell today will make conditions hazardous today through tonight. Gusts could locally reach gale force at times. A Small Craft Advisory remains in effect through 5 AM Friday. Conditions will improve over the weekend, then winds will increase again on Monday, leading to hazardous conditions again.

&&

.SKYWARN...

Skywarn activation is not requested. However weather spotters are encouraged to report significant weather conditions.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...
CA...High Wind Warning until 2 PM PDT Thursday for Apple and Lucerne
Valleys-Coachella Valley-Riverside County Mountains-San
Bernardino County Mountains-San Diego County Deserts-San
Diego County Mountains-San Gorgonio Pass Near Banning.

PZ...Small Craft Advisory until 5 AM PDT Friday for Coastal Waters
from San Mateo Point to the Mexican Border and out to 30 nm-
Waters from San Mateo point to the Mexican Border Extending
30 to 60 nm out including San Clemente Island.

&&

\$\$

PUBLIC...10

AVIATION/MARINE...MM

IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

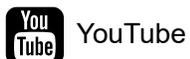
Department of Agronomy

716 Farm House Ln

Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



☐

351

WWUS76 KSGX 121124

NPWSGX

URGENT - WEATHER MESSAGE

National Weather Service San Diego CA

424 AM PDT Thu Apr 12 2018

CAZ055-056-058-060>062-065-122100-

/O.CON.KSGX.HW.W.0004.000000T0000Z-180412T2100Z/

San Bernardino County Mountains-Riverside County Mountains-

San Diego County Mountains-Apple and Lucerne Valleys-

Coachella Valley-San Diego County Deserts-

San Gorgonio Pass Near Banning-

Including the cities of Big Bear City, Wrightwood, Julian,

Victorville, Hesperia, Apple Valley, Indio, Palm Springs,

Cathedral City, Palm Desert, Palm Desert Country, La Quinta,

Coachella, Borrego Springs, and Desert Hot Springs

424 AM PDT Thu Apr 12 2018

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 2 PM PDT THIS
AFTERNOON...

* Winds...West 25 to 35 mph with gusts to 60 mph. Isolated gusts
to 70 mph.

* Location...Near mountain ridge tops and along desert mountain
slopes into adjacent desert areas.

* Timing...through Thursday afternoon. Strongest winds this
morning. Winds will weaken during the afternoon.

* Impacts...The winds will make driving difficult...especially
for motorists with high profile vehicles. This will impact
portions of Interstate 10 through the San Gorgonio Pass and
the Coachella Valley...and Interstate 8 through the San Diego
County mountains and desert. In the deserts...areas of blowing
dust and sand will reduce visibility at times. Watch for
broken tree limbs and other debris.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A High Wind Warning means a hazardous high wind event is expected
or occurring. Sustained wind speeds of at least 40 mph or gusts
of 58 mph or more can lead to property damage.

☐

021

WWUS75 KPSR 121138

NPWPSR

URGENT - WEATHER MESSAGE

National Weather Service Phoenix AZ

438 AM MST Thu Apr 12 2018

AZZ534-537-538-540>544-546-548-550-122300-

/O.CON.KPSR.WI.Y.0010.180412T1800Z-180413T0200Z/

Aguila Valley-Northwest Valley-Tonopah Desert-Buckeye/Avondale-

Cave Creek/New River-Deer Valley-Central Phoenix-

North Phoenix/Glendale-Scottsdale/Paradise Valley-East Valley-

South Mountain/Ahwatukee-

Including the cities of Aguila, Gladden, Wickenburg, Circle City,

Surprise, Wittmann, Beardsley, Sun City West, Arlington,

Hassayampa, Tonopah, Wintersburg, Avondale, Cashion, Goodyear,

Liberty, Scottsdale, Peoria, Phoenix, Paradise Valley, Mesa,

Chandler, Tempe, and Gilbert

438 AM MST Thu Apr 12 2018

...WIND ADVISORY REMAINS IN EFFECT FROM 11 AM THIS MORNING TO
7 PM MST THIS EVENING...

* AFFECTED AREA...Northwest Maricopa County, including Wickenburg,
and much of western, northern, and central Phoenix areas. Also
included are Interstate 10 from Phoenix westward and Interstate
17 from Phoenix northward.

* TIMING...Beginning 11 AM this morning continuing to 7 PM this
evening.

* WINDS...Westerly winds of 20 to 30 mph gusting up to 45 mph.

* IMPACTS...Difficult driving conditions, especially on any north-
south oriented roads in open areas. Some areas of blowing dust
may develop, limiting visibility. Unsecured objects may become
airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between
30 and 40 mph are expected, or wind gusts of between 40 and
58 mph. Winds this strong can make driving difficult, especially
for high profile vehicles. In addition, strong winds over desert
areas could result in briefly lowered visibilities to well under
a mile at times in blowing dust or blowing sand. Use extra

caution.

&&

\$\$

AZZ530-533-CAZ560-561-569-570-122300-
 /O.CON.KPSR.WI.Y.0010.180412T1500Z-180413T0300Z/
 Parker Valley-Central La Paz-Joshua Tree NP West-
 Joshua Tree NP East-Palo Verde Valley-Chuckwalla Valley-
 Including the cities of Parker, Ehrenberg, Brenda, Harcuvar,
 Quartzsite, Vicksburg, Vicksburg Junction, Salome,
 Cottonwood Visitor, Lost Horse-Keys Village, Martinez Lake,
 Blythe, Palo Verde, Ripley, and Midland
 438 AM MST Thu Apr 12 2018 /438 AM PDT Thu Apr 12 2018/

...WIND ADVISORY REMAINS IN EFFECT FROM 8 AM MST /8 AM PDT/ THIS
 MORNING TO 8 PM MST /8 PM PDT/ THIS EVENING...

- * AFFECTED AREA...Much of Eastern Riverside County in California and most of La Paz County in Arizona. This includes Blythe, Quartzite, Joshua Tree National Park, and portions of Interstate 10 from near Centennial west through Blythe and toward Desert Center.
- * TIMING...Beginning 8 AM this morning and continuing until 8 PM this evening.
- * WINDS...Westerly winds of 25 to 35 mph gusting to 40 to 50 mph.
- * IMPACTS...Difficult driving conditions, especially on any north-south oriented roads in open areas. Some areas of blowing dust may develop, limiting visibility. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

&&

\$\$

CAZ562-563-566-567-122300-

/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0300Z/

Imperial County Southwest-Salton Sea-Imperial County West-
Imperial Valley-

Including the cities of Mountain Spring, Desert Shores,
Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo,
Plaster City, El Centro, Calexico, Alamorio, and Brawley
438 AM PDT Thu Apr 12 2018

...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...

* AFFECTED AREA...Western Imperial County including the Imperial
Valley and El Centro, the Salton Sea, and portions of
Interstate 8 from El Centro west toward Ocotillo.

* TIMING...From now through 8 PM this evening.

* WINDS...West winds of 25 to 35 mph gusting to 40 to 50 mph.

* IMPACTS...Difficult driving conditions, especially on roads
closer to the mountains and any north-south oriented roads.
Some areas of blowing dust may develop, limiting visibility.
Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between
30 and 40 mph are expected, or wind gusts of between 40 and
58 mph. Winds this strong can make driving difficult, especially
for high profile vehicles. In addition, strong winds over desert
areas could result in briefly lowered visibilities to well under
a mile at times in blowing dust or blowing sand. Use extra
caution.

&&

\$\$

AZZ545-547-552-556>558-560>563-122300-

/O.CON.KPSR.WI.Y.0010.180412T1800Z-180413T0200Z/

New River Mesa-Rio Verde/Salt River-Superior-Tonto Basin-
Mazatzal Mountains-Pinal/Superstition Mountains-San Carlos-

Dripping Springs-Globe/Miami-Southeast Gila County-
Including the cities of Superior, Punkin Center, Sunflower,
San Carlos, Peridot, Hayden, Winkelman, Globe, and Miami
438 AM MST Thu Apr 12 2018

...WIND ADVISORY REMAINS IN EFFECT FROM 11 AM THIS MORNING TO
7 PM MST THIS EVENING...

- * AFFECTED AREA...Far northeast Maricopa County and all of southern Gila County. This includes Superior, Globe, Punkin Center, and San Carlos.
- * TIMING...Beginning 11 AM this morning and continuing until 7 PM this evening.
- * WINDS...Westerly winds of 25 to 35 mph gusting up to 45 mph.
- * IMPACTS...Difficult driving conditions, especially on any north- south oriented roads in open areas. Winds may become enhanced in east-west valleys. Stronger winds will occur over area lakes, including Lake Roosevelt. At lower elevations, some areas of blowing dust may develop. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

&&

\$\$

IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

Department of Agronomy

716 Farm House Ln

Ames, IA 50011

☐

409

FXUS65 KPSR 121200

AFDPSR

Area Forecast Discussion

National Weather Service Phoenix AZ

500 AM MST Thu Apr 12 2018

.UPDATE... For aviation and fire weather sections.

&&

.SYNOPSIS...

A strong but dry weather system will move across the region today into early Friday ushering in windy and significantly cooler conditions through Saturday. Increasing high pressure and a rebound in temperatures is expected for Sunday and Monday with highs back into the upper 80s to lower 90s. Another weak weather system will mainly pass to the north late next Monday and Tuesday allowing for a return of windy conditions and another drop in temperatures into the middle of next week.

&&

.DISCUSSION...

A strong Pacific trough is currently moving through the Western U.S. with the southern most embedded shortwave trough moving through southern Nevada. Gusty winds have already begun across portions of southeast California, mainly mountain wave induced, and will become widespread and increase during the middle to late part of the morning. As the trough moves through the Great Basin and Desert Southwest today, the strongest wind event so far this season will occur. Wind gusts of 40-45 mph will be common this afternoon, especially north of a Gila Bend to Blythe, CA line. A cold front moving through the area later this morning will bring rapidly drying conditions with humidities dropping below 15% by around noon in most locations. The strong winds and the dry conditions this afternoon and evening will result in very high fire danger with Red Flag Warnings spanning the entire area. Another potential impact today will be areas of blowing dust and the possibility of localized dense blowing dust with visibility restrictions at times below 1/2 mile. The cold front will usher in modestly cooler air today with highs only topping out in the lower 80s in most lower desert locations.

The trough will continue to the east tonight, but the back side will linger across eastern Arizona through Friday morning. The

pressure gradient will relax somewhat into Friday, but northwesterly gusts during the daytime hours Friday will likely exceed 30-35 mph at times, just below advisory level. Further drying into Friday will lead to dangerously low humidities by the afternoon with readings falling down to near 5%. The very dry conditions and gusty winds will again lead to Red Flag conditions over much of Arizona for Friday afternoon and early evening. Temperatures will drop even further on Friday with highs only reaching into the upper 70s to near 80 over the deserts (5-7 degrees below normal).

Starting Saturday, the trough will have moved far enough east to allow for ridging to take over across the Desert Southwest and for winds to diminish. The increasing heights aloft will give rise to warming conditions as highs again reach to near normal readings on Saturday. The ridge axis passes through the region Saturday night and Sunday, so Sunday still looks to be the warmest day of the period with highs into the lower 90s over much of the deserts.

Another significant dry Pacific trough is forecast to move onshore Monday, eventually moving into the Great Basin and the Desert Southwest on Tuesday. Monday again looks to be warm with highs only a few degrees lower than Sunday. The approaching trough will also lead to breezy to windy conditions Monday, but for now winds seem to fall just short of advisory criteria. A dry cold front should pass through the region early Tuesday allowing for highs to only reach to around 80 degrees. Slight recovery is anticipated through the middle of next week with temperatures climbing back to around normals, but it may not last long as we face the potential of another Pacific low for late next week. This trough has better potential for moving directly through the Desert Southwest, and if it would, it would bring a return to rain chances.

&&

.AVIATION...

South-Central Arizona including KPHX, KIWA, and KSDL:

Southeasterly winds currently observed across much of the Phoenix area are expected to shift rather quickly to the west this morning and become gusty. Even stronger west winds will set in this afternoon. A few gusts even as high as 45kt are not out of the question in the 23Z-03Z window. While surface visibility may not dip that much, there will likely be plenty of lofted dust in the air by late in the afternoon. All in all, expect difficult weather during the evening push. Winds drop off later in the evening, but should still show some gustiness from the northwest through the night and into Friday.

Southeast California/Southwest Arizona including KIPL and KBLH:

Continued gusty west/northwest winds expected across the area through the day. Due to the nature of the wind activity, there may be lulls followed by bursts of stronger winds, which can not be reasonable reflected in TAFs. Still monitoring to see how much BLDU develops, but so far have not noted much. Winds will decrease a bit this evening across the Imperial Valley but still remain elevated along the Colorado River from Blythe northward.

Aviation Discussion not updated for amended TAFs.

&&

.FIRE WEATHER...

Saturday through Wednesday...

High pressure builds over the Desert SW for Saturday and Sunday allowing winds to become relatively light over the weekend. Temperatures will also rebound with highs near 90 for the lower deserts by Sunday. Another dry weather system will move in on Monday bringing yet more wind to our entire area. At this point an elevated fire weather threat will most certainly exist on Monday, especially in SE California, but it is not clear if we will hit critical fire weather thresholds. Cooler weather and light winds will move in behind this system on Tuesday although conditions will still remain very dry.

&&

.SPOTTER INFORMATION STATEMENT...

Spotter activation will not be needed this week.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...Red Flag Warning from noon today to 9 PM MST this evening for AZZ131>133.

Red Flag Warning from 11 AM to 7 PM MST Friday for AZZ132.

Wind Advisory from 11 AM this morning to 7 PM MST this evening for AZZ534-537-538-540>548-550-552-556>558-560>563.

Wind Advisory from 8 AM this morning to 8 PM MST this evening for AZZ530-533.

CA...Red Flag Warning from noon today to 9 PM PDT this evening for

CAZ230>232.

Wind Advisory from 8 AM this morning to 8 PM PDT this evening
for CAZ560-561-569-570.

Wind Advisory until 8 PM PDT this evening for CAZ562-563-566-567.

&&

\$\$

DISCUSSION...Kuhlman
AVIATION...Iniguez
FIRE WEATHER...Iniguez

IOWA STATE UNIVERSITY

College of Ag
Department of Agronomy

Department of Agronomy

716 Farm House Ln
Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



☐

085

WWUS76 KSGX 121442

NPWSGX

URGENT - WEATHER MESSAGE

National Weather Service San Diego CA

742 AM PDT Thu Apr 12 2018

CAZ055-056-058-060>062-065-130000-

/O.EXT.KSGX.HW.W.0004.000000T0000Z-180413T0300Z/

San Bernardino County Mountains-Riverside County Mountains-

San Diego County Mountains-Apple and Lucerne Valleys-

Coachella Valley-San Diego County Deserts-

San Gorgonio Pass Near Banning-

Including the cities of Big Bear City, Wrightwood, Julian,

Victorville, Hesperia, Apple Valley, Indio, Palm Springs,

Cathedral City, Palm Desert, Palm Desert Country, La Quinta,

Coachella, Borrego Springs, and Desert Hot Springs

742 AM PDT Thu Apr 12 2018

...HIGH WIND WARNING NOW IN EFFECT UNTIL 8 PM PDT THIS EVENING...

* Winds...West 25 to 35 mph with gusts to 60 mph. Isolated gusts to 75 mph.

* Location...Windiest locations along the mountain ridgetops and desert mountain slopes.

* Impacts...Difficult travel, including along Interstate 15 through Cajon Pass and the Mojave Desert, Interstate 10 through San Gorgonio Pass and the Coachella Valley...and Interstate 8 through the mountains and deserts. In the deserts...blowing dust and sand could cause severe visibility restrictions. Watch for broken tree limbs and other debris.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A High Wind Warning means a hazardous high wind event is expected or occurring. Sustained wind speeds of at least 40 mph or gusts of 58 mph or more can lead to property damage.

&&

\$\$

jmb

☐

278

FXUS66 KSGX 121633 AAA

AFDSGX

Area Forecast Discussion

National Weather Service San Diego CA

930 AM PDT Thu Apr 12 2018

.SYNOPSIS...

A low pressure trough will move over California this morning, producing strong westerly winds over the mountains and deserts, and a few light showers, mainly western San Diego County. The trough will slide east this afternoon, allowing winds to slowly subside this evening. Cooler tonight as drier air invades the region under mostly clear skies, then warmer into the weekend under weak high pressure aloft and offshore flow. Winds turn back onshore Sunday in advance of another Pacific trough. Cooling will begin over coastal areas and spread inland through Tuesday as strong westerly winds redevelop over the mountains and deserts.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO
COUNTIES...

Some light rain and sprinkles noted this morning mainly in Western San Diego County. Winds have been strong over the mountains and deserts and wind reports have been updated this morning. The highest wind report so far has been 84 MPH at Burns Canyon in the San Bernardino Mountains. The strong winds will continue today, and then slowly diminish this evening. The high wind warning has been extended through 8 pm. No other changes were made this morning.

...remainder of previous discussion...

As the winds subside under clear skies, it will be a chilly night as drier continental air replaces the marine air. Offshore flow will dominate the sfc pattern across the SW on Friday into early Saturday, setting us up for rapid warming and above average high temps again Fri/Sat. Cooler on Sunday as the winds turn back onshore.

Another trough will move over the state late Mon/Mon night, with a replay of the gusty westerly winds and cooler weather. Once again, there is a small chance for scattered, light rain along and west of the mts, but the system will be moisture starved. Yet another system will follow mid next week and may be better equipped to generate

some measurable precip across the region, but that is a week away.

&&

.AVIATION...

121600Z...Coast/Valleys...Low clouds, with bases 2000-5000 feet MSL and tops to 7000 ft MSL, will continue through early afternoon, then decrease in coverage from north to south through this evening. -DZ is possible this morning, mainly over San Diego County. West to northwest winds will gust to 25 kt at times today, with strongest winds along the coast.

Mountains/Deserts...Gusty westerly winds will continue today, with local gusts of 45 to 60 kt mainly along mountain ridges, desert mountain slopes, and into adjacent desert areas. Rotors, LLWS, and Up/Downdrafts are possible over and east of the mountains particularly vcnty KPSP. Winds will decrease late afternoon and overnight. Clouds will obscure mountain tops at times.

&&

.MARINE...

Northwest wind gusts of 25-35 kt and combined seas of 9-14 ft will continue overnight across the coastal waters. A Small Craft Advisory remains in effect through 5 AM Friday. Conditions will improve over the weekend, then winds will increase again on Monday, leading to hazardous conditions again.

&&

.BEACHES...

Elevated surf of 3-5 ft with sets to 6 ft will create a high risk of rip currents across the San Diego and Orange County Beaches through Friday. Conditions will improve Saturday.

&&

.SKYWARN...

Skywarn activation is not requested. However weather spotters are encouraged to report significant weather conditions.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...High Wind Warning until 8 PM PDT Thursday for Apple and Lucerne Valleys-Coachella Valley-Riverside County Mountains-San Bernardino County Mountains-San Diego County Deserts-San Diego County Mountains-San Gorgonio Pass Near Banning.

PZ...Small Craft Advisory until 5 AM PDT Friday for Coastal Waters from San Mateo Point to the Mexican Border and out to 30 nm- Waters from San Mateo point to the Mexican Border Extending 30 to 60 nm out including San Clemente Island.

&&

\$\$

PUBLIC...10/JMB

AVIATION/MARINE/BEACHES...JJT

IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

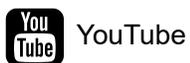
Department of Agronomy

716 Farm House Ln

Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



☐

602

WWUS75 KPSR 121641

NPWPSR

URGENT - WEATHER MESSAGE

National Weather Service Phoenix AZ

941 AM MST Thu Apr 12 2018

AZZ530-533-CAZ560-561-569-570-130300-

/O.NEW.KPSR.DU.Y.0007.180412T1641Z-180413T0300Z/

/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0300Z/

Parker Valley-Central La Paz-Joshua Tree NP West-

Joshua Tree NP East-Palo Verde Valley-Chuckwalla Valley-

Including the cities of Parker, Ehrenberg, Brenda, Harcuvar,

Quartzsite, Vicksburg, Vicksburg Junction, Salome,

Cottonwood Visitor, Lost Horse-Keys Village, Martinez Lake,

Blythe, Palo Verde, Ripley, and Midland

941 AM MST Thu Apr 12 2018 /941 AM PDT Thu Apr 12 2018/

...BLOWING DUST ADVISORY IN EFFECT UNTIL 8 PM MST /8 PM PDT/ THIS EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST /8 PM PDT/ THIS EVENING...

The National Weather Service in Phoenix has issued a Blowing Dust Advisory, which is in effect until 8 PM MST /8 PM PDT/ this evening.

* AFFECTED AREA...Much of Eastern Riverside County in California and most of La Paz County in Arizona. This includes Blythe, Quartzite, Joshua Tree National Park, and portions of Interstate 10 from near Centennial west through Blythe and toward Desert Center.

* TIMING...Now through this evening.

* WINDS...Westerly winds of 25 to 35 mph gusting to 40 to 50 mph.

* VISIBILITY...Generally 5 to 10 miles, but occasionally lower than 1 mile in isolated dust channels.

* Impacts...Difficult driving conditions, especially on any north-south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Motorists traveling along Interstate 10 are urged to exercise caution. Unsecured objects may also become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

CAZ562-563-566-567-130300-
 /O.NEW.KPSR.DU.Y.0007.180412T1641Z-180413T0300Z/
 /O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0300Z/

Imperial County Southwest-Salton Sea-Imperial County West-
 Imperial Valley-
 Including the cities of Mountain Spring, Desert Shores,
 Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo,
 Plaster City, El Centro, Calexico, Alamorio, and Brawley
 941 AM PDT Thu Apr 12 2018

...BLOWING DUST ADVISORY IN EFFECT UNTIL 8 PM PDT THIS EVENING...
 ...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...

The National Weather Service in Phoenix has issued a Blowing Dust Advisory, which is in effect until 8 PM PDT this evening.

* AFFECTED AREA...Western Imperial County including the Imperial Valley and El Centro, the Salton Sea, and portions of Interstate 8 from El Centro west toward Ocotillo.

* TIMING...From now through 8 PM this evening.

* WINDS...West winds of 25 to 35 mph gusting to 40 to 50 mph.

* VISIBILITY...Generally 5 to 10 miles, but occasionally lower than 1 mile in isolated dust channels.

* Impacts...Difficult driving conditions, especially on any north-south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Motorists traveling along Interstate 8 are urged to exercise caution. Unsecured objects may also become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ531-532-535-536-CAZ564-565-568-130300-
 /O.NEW.KPSR.DU.Y.0007.180412T1641Z-180413T0300Z/
 Kofa-Yuma-Southeast Yuma County-Gila River Valley-
 Chuckwalla Mountains-Imperial County Southeast-Chiriaco Summit-
 Including the cities of Palm Canyon, Yuma, Fortuna Foothills,
 Ligorita, Imperial Hot Mineral Springs, Winterhaven,
 and Chiriaco Summit
 941 AM MST Thu Apr 12 2018 /941 AM PDT Thu Apr 12 2018/

...BLOWING DUST ADVISORY IN EFFECT UNTIL 8 PM MST /8 PM PDT/ THIS EVENING...

The National Weather Service in Phoenix has issued a Blowing Dust Advisory, which is in effect until 8 PM MST /8 PM PDT/ this evening.

* AFFECTED AREA...Portions of Yuma and Imperial Counties.

* TIMING...Now through this evening.

* WINDS...West winds of 20 to 30 mph gusting to 35 to 40 mph.

- * VISIBILITY...Generally 5 to 10 miles, but occasionally lower than 1 mile in isolated dust channels.
- * Impacts...Difficult driving conditions, especially on any north-south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Motorists traveling along Interstate 8 are urged to exercise caution.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ534-537-538-540>544-546-548-550-130200-
/O.CON.KPSR.WI.Y.0010.180412T1800Z-180413T0200Z/
Aguila Valley-Northwest Valley-Tonopah Desert-Buckeye/Avondale-
Cave Creek/New River-Deer Valley-Central Phoenix-
North Phoenix/Glendale-Scottsdale/Paradise Valley-East Valley-
South Mountain/Ahwatukee-
Including the cities of Aguila, Gladden, Wickenburg, Circle City,
Surprise, Wittmann, Beardsley, Sun City West, Arlington,
Hassayampa, Tonopah, Wintersburg, Avondale, Cashion, Goodyear,
Liberty, Scottsdale, Peoria, Phoenix, Paradise Valley, Mesa,
Chandler, Tempe, and Gilbert
941 AM MST Thu Apr 12 2018

...WIND ADVISORY REMAINS IN EFFECT UNTIL 7 PM MST THIS EVENING...

- * AFFECTED AREA...Northwest Maricopa County, including Wickenburg, and much of western, northern, and central Phoenix areas. Also included are Interstate 10 from Phoenix westward and Interstate 17 from Phoenix northward.
- * TIMING...Beginning 11 AM this morning continuing to 7 PM this evening.
- * WINDS...Westerly winds of 20 to 30 mph gusting up to 45 mph.

* IMPACTS...Difficult driving conditions, especially on any north- south oriented roads in open areas. Some areas of blowing dust may develop, limiting visibility. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

&&

\$\$

AZZ545-547-552-556>558-560>563-130200-
/O.CON.KPSR.WI.Y.0010.180412T1800Z-180413T0200Z/
New River Mesa-Rio Verde/Salt River-Superior-Tonto Basin-
Mazatzal Mountains-Pinal/Superstition Mountains-San Carlos-
Dripping Springs-Globe/Miami-Southeast Gila County-
Including the cities of Superior, Punkin Center, Sunflower,
San Carlos, Peridot, Hayden, Winkelman, Globe, and Miami
941 AM MST Thu Apr 12 2018

...WIND ADVISORY REMAINS IN EFFECT UNTIL 7 PM MST THIS EVENING...

* AFFECTED AREA...Far northeast Maricopa County and all of southern Gila County. This includes Superior, Globe, Punkin Center, and San Carlos.

* TIMING...Beginning 11 AM this morning and continuing until 7 PM this evening.

* WINDS...Westerly winds of 25 to 35 mph gusting up to 45 mph.

* IMPACTS...Difficult driving conditions, especially on any north- south oriented roads in open areas. Winds may become enhanced in east-west valleys. Stronger winds will occur over area lakes, including Lake Roosevelt. At lower elevations, some areas of blowing dust may develop. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between

30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

&&

\$\$

IOWA STATE UNIVERSITY

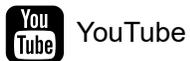
College of Ag
Department of Agronomy

Department of Agronomy

716 Farm House Ln
Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



☐

411

FXUS65 KPSR 121652

AFDPSR

Area Forecast Discussion

National Weather Service Phoenix AZ

952 AM MST Thu Apr 12 2018

.SYNOPSIS...

A strong but dry weather system will move across the region today into early Friday ushering in windy and significantly cooler conditions through Saturday. Increasing high pressure and a rebound in temperatures is expected for Sunday and Monday with highs back into the upper 80s to lower 90s. Another weak weather system will mainly pass to the north late next Monday and Tuesday allowing for a return of windy conditions and another drop in temperatures into the middle of next week.

&&

.DISCUSSION...

Windy conditions have developed across the lower deserts mainly behind an advancing frontal boundary, which is delineated by a narrow line of mid and high clouds draped across central Arizona. The strongest winds so far this morning have been observed across southeastern California, where gusts have reached 35 to 40 mph. Latest GOES-16 Dust RGB is already detecting several dust channels behind the frontal boundary and a Blowing Dust Advisory has been issued for these areas. Additional dust channels/plumes are still expected to develop further east across central Arizona later this afternoon.

&&

.PREVIOUS DISCUSSION...

A strong Pacific trough is currently moving through the Western U.S. with the southern most embedded shortwave trough moving through southern Nevada. Gusty winds have already begun across portions of southeast California, mainly mountain wave induced, and will become widespread and increase during the middle to late part of the morning. As the trough moves through the Great Basin and Desert Southwest today, the strongest wind event so far this season will occur. Wind gusts of 40-45 mph will be common this afternoon, especially north of a Gila Bend to Blythe, CA line. A cold front moving through the area later this morning will bring rapidly drying conditions with humidities dropping below 15% by around noon in most locations. The strong winds and the dry

conditions this afternoon and evening will result in very high fire danger with Red Flag Warnings spanning the entire area. Another potential impact today will be areas of blowing dust and the possibility of localized dense blowing dust with visibility restrictions at times below 1/2 mile. The cold front will usher in modestly cooler air today with highs only topping out in the lower 80s in most lower desert locations.

The trough will continue to the east tonight, but the back side will linger across eastern Arizona through Friday morning. The pressure gradient will relax somewhat into Friday, but northwesterly gusts during the daytime hours Friday will likely exceed 30-35 mph at times, just below advisory level. Further drying into Friday will lead to dangerously low humidities by the afternoon with readings falling down to near 5%. The very dry conditions and gusty winds will again lead to Red Flag conditions over much of Arizona for Friday afternoon and early evening. Temperatures will drop even further on Friday with highs only reaching into the upper 70s to near 80 over the deserts (5-7 degrees below normal).

Starting Saturday, the trough will have moved far enough east to allow for ridging to take over across the Desert Southwest and for winds to diminish. The increasing heights aloft will give rise to warming conditions as highs again reach to near normal readings on Saturday. The ridge axis passes through the region Saturday night and Sunday, so Sunday still looks to be the warmest day of the period with highs into the lower 90s over much of the deserts.

Another significant dry Pacific trough is forecast to move onshore Monday, eventually moving into the Great Basin and the Desert Southwest on Tuesday. Monday again looks to be warm with highs only a few degrees lower than Sunday. The approaching trough will also lead to breezy to windy conditions Monday, but for now winds seem to fall just short of advisory criteria. A dry cold front should pass through the region early Tuesday allowing for highs to only reach to around 80 degrees. Slight recovery is anticipated through the middle of next week with temperatures climbing back to around normals, but it may not last long as we face the potential of another Pacific low for late next week. This trough has better potential for moving directly through the Desert Southwest, and if it would, it would bring a return to rain chances.

&&

.AVIATION...

South-Central Arizona including KPHX, KIWA, and KSDL:

Southeasterly winds currently observed across much of the Phoenix area are expected to shift rather quickly to the west this morning and become gusty. Even stronger west winds will set in this afternoon. A few gusts even as high as 45kt are not out of the question in the 23Z-03Z window. While surface visibility may not dip that much, there will likely be plenty of lofted dust in the air by late in the afternoon. All in all, expect difficult weather during the evening push. Winds drop off later in the evening, but should still show some gustiness from the northwest through the night and into Friday.

Southeast California/Southwest Arizona including KIPL and KBLH:

Continued gusty west/northwest winds expected across the area through the day. Due to the nature of the wind activity, there may be lulls followed by bursts of stronger winds, which can not be reasonable reflected in TAFs. Still monitoring to see how much BLDU develops, but so far have not noted much. Winds will decrease a bit this evening across the Imperial Valley but still remain elevated along the Colorado River from Blythe northward.

Aviation Discussion not updated for amended TAFs.

&&

.FIRE WEATHER...

Saturday through Wednesday...

High pressure builds over the Desert SW for Saturday and Sunday allowing winds to become relatively light over the weekend. Temperatures will also rebound with highs near 90 for the lower deserts by Sunday. Another dry weather system will move in on Monday bringing yet more wind to our entire area. At this point an elevated fire weather threat will most certainly exist on Monday, especially in SE California, but it is not clear if we will hit critical fire weather thresholds. Cooler weather and light winds will move in behind this system on Tuesday although conditions will still remain very dry.

&&

.SPOTTER INFORMATION STATEMENT...

Spotter activation will not be needed this week.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...Red Flag Warning until 9 PM MST this evening for AZZ131>133.

Red Flag Warning from 11 AM to 7 PM MST Friday for AZZ132.

Wind Advisory until 7 PM MST this evening for AZZ534-537-538-540>548-550-552-556>558-560>563.

Blowing Dust Advisory until 8 PM MST this evening for AZZ530>533-535-536.

Wind Advisory until 8 PM MST this evening for AZZ530-533.

CA...Red Flag Warning until 9 PM PDT this evening for CAZ230>232.

Blowing Dust Advisory until 8 PM PDT this evening for CAZ560>570.

Wind Advisory until 8 PM PDT this evening for CAZ560>563-566-567-569-570.

&&

\$\$

DISCUSSION...Hirsch
PREVIOUS DISCUSSION...Kuhlman
AVIATION...Iniguez
FIRE WEATHER...Iniguez

IOWA STATE UNIVERSITY

College of Ag
Department of Agronomy

Department of Agronomy

716 Farm House Ln
Ames, IA 50011

akrherz@iastate.edu
515-294-5978 phone



☐

958

FXUS65 KPSR 121745

AFDPSR

Area Forecast Discussion

National Weather Service Phoenix AZ

1045 AM MST Thu Apr 12 2018

...Updated Aviation...

.SYNOPSIS...

A strong but dry weather system will move across the region today into early Friday ushering in windy and significantly cooler conditions through Saturday. Increasing high pressure and a rebound in temperatures is expected for Sunday and Monday with highs back into the upper 80s to lower 90s. Another weak weather system will mainly pass to the north late next Monday and Tuesday allowing for a return of windy conditions and another drop in temperatures into the middle of next week.

&&

.DISCUSSION...

Windy conditions have developed across the lower deserts mainly behind an advancing frontal boundary, which is delineated by a narrow line of mid and high clouds draped across central Arizona. The strongest winds so far this morning have been observed across southeastern California, where gusts have reached 35 to 40 mph. Latest GOES-16 Dust RGB is already detecting several dust channels behind the frontal boundary and a Blowing Dust Advisory has been issued for these areas. Additional dust channels/plumes are still expected to develop further east across central Arizona later this afternoon.

&&

.PREVIOUS DISCUSSION...

A strong Pacific trough is currently moving through the Western U.S. with the southern most embedded shortwave trough moving through southern Nevada. Gusty winds have already begun across portions of southeast California, mainly mountain wave induced, and will become widespread and increase during the middle to late part of the morning. As the trough moves through the Great Basin and Desert Southwest today, the strongest wind event so far this season will occur. Wind gusts of 40-45 mph will be common this afternoon, especially north of a Gila Bend to Blythe, CA line. A cold front moving through the area later this morning will bring

rapidly drying conditions with humidities dropping below 15% by around noon in most locations. The strong winds and the dry conditions this afternoon and evening will result in very high fire danger with Red Flag Warnings spanning the entire area. Another potential impact today will be areas of blowing dust and the possibility of localized dense blowing dust with visibility restrictions at times below 1/2 mile. The cold front will usher in modestly cooler air today with highs only topping out in the lower 80s in most lower desert locations.

The trough will continue to the east tonight, but the back side will linger across eastern Arizona through Friday morning. The pressure gradient will relax somewhat into Friday, but northwesterly gusts during the daytime hours Friday will likely exceed 30-35 mph at times, just below advisory level. Further drying into Friday will lead to dangerously low humidities by the afternoon with readings falling down to near 5%. The very dry conditions and gusty winds will again lead to Red Flag conditions over much of Arizona for Friday afternoon and early evening. Temperatures will drop even further on Friday with highs only reaching into the upper 70s to near 80 over the deserts (5-7 degrees below normal).

Starting Saturday, the trough will have moved far enough east to allow for ridging to take over across the Desert Southwest and for winds to diminish. The increasing heights aloft will give rise to warming conditions as highs again reach to near normal readings on Saturday. The ridge axis passes through the region Saturday night and Sunday, so Sunday still looks to be the warmest day of the period with highs into the lower 90s over much of the deserts.

Another significant dry Pacific trough is forecast to move onshore Monday, eventually moving into the Great Basin and the Desert Southwest on Tuesday. Monday again looks to be warm with highs only a few degrees lower than Sunday. The approaching trough will also lead to breezy to windy conditions Monday, but for now winds seem to fall just short of advisory criteria. A dry cold front should pass through the region early Tuesday allowing for highs to only reach to around 80 degrees. Slight recovery is anticipated through the middle of next week with temperatures climbing back to around normals, but it may not last long as we face the potential of another Pacific low for late next week. This trough has better potential for moving directly through the Desert Southwest, and if it would, it would bring a return to rain chances.

&&

.AVIATION...

South-Central Arizona including KPHX, KIWA, and KSDL:
Winds have already shifted to the southwest late this morning with widespread gusts nearing 25kt. Even stronger WSW gusts in a 30-40kt range will be likely late this afternoon and evening. Suspended dust will impact slantwise visibilities with some chance of even lower MVFR visibilities, especially at KIWA. Strong winds will persist through the evening and overnight impacting the evening high volume period at KPHX.

Wind speeds will weaken somewhat early Friday morning with a tendency to become more NNW or even due north. Given the terrain influence, KPHX may see periods of high variability in direction around sunrise. Gusts in a 20-30kt range will resume late Friday morning.

Southeast California/Southwest Arizona including KIPL and KBLH:
Gusty winds will persist into the evening with copious amounts of suspended dust impacting slantwise visibilities, and locally MVFR visibility restrictions due to BLDU. Some weakening in the gusts will occur overnight, but likely not completely abate. However, enough weakening will occur to improve BLDU. Stronger wind gusts will likely resume again by early Friday afternoon.

Aviation Discussion not updated for amended TAFs.

&&

.FIRE WEATHER...

Saturday through Wednesday...

High pressure builds over the Desert SW for Saturday and Sunday allowing winds to become relatively light over the weekend. Temperatures will also rebound with highs near 90 for the lower deserts by Sunday. Another dry weather system will move in on Monday bringing yet more wind to our entire area. At this point an elevated fire weather threat will most certainly exist on Monday, especially in SE California, but it is not clear if we will hit critical fire weather thresholds. Cooler weather and light winds will move in behind this system on Tuesday although conditions will still remain very dry.

&&

.SPOTTER INFORMATION STATEMENT...

Spotter activation will not be needed this week.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...Red Flag Warning until 9 PM MST this evening for AZZ131>133.

Red Flag Warning from 11 AM to 7 PM MST Friday for AZZ132.

Wind Advisory until 7 PM MST this evening for AZZ534-537-538-540>548-550-552-556>558-560>563.

Blowing Dust Advisory until 8 PM MST this evening for AZZ530>533-535-536.

Wind Advisory until 8 PM MST this evening for AZZ530-533.

CA...Red Flag Warning until 9 PM PDT this evening for CAZ230>232.

Blowing Dust Advisory until 8 PM PDT this evening for CAZ560>570.

Wind Advisory until 8 PM PDT this evening for CAZ560>563-566-567-569-570.

&&

\$\$

DISCUSSION...Hirsch

PREVIOUS DISCUSSION...Kuhlman

AVIATION...MO

FIRE WEATHER...Iniguez

IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

Department of Agronomy

716 Farm House Ln

Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone

☐

960

WWUS75 KPSR 121931

NPWPSR

URGENT - WEATHER MESSAGE

National Weather Service Phoenix AZ

1231 PM MST Thu Apr 12 2018

AZZ534-537-538-540>544-546-548-550-130300-

/O.EXA.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/

/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0200Z/

Aguila Valley-Northwest Valley-Tonopah Desert-Buckeye/Avondale-

Cave Creek/New River-Deer Valley-Central Phoenix-

North Phoenix/Glendale-Scottsdale/Paradise Valley-East Valley-

South Mountain/Ahwatukee-

Including the cities of Aguila, Gladden, Wickenburg, Circle City,

Surprise, Wittmann, Beardsley, Sun City West, Arlington,

Hassayampa, Tonopah, Wintersburg, Avondale, Cashion, Goodyear,

Liberty, Scottsdale, Peoria, Phoenix, Paradise Valley, Mesa,

Chandler, Tempe, and Gilbert

1231 PM MST Thu Apr 12 2018

...BLOWING DUST ADVISORY IN EFFECT UNTIL 8 PM MST THIS EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 7 PM MST THIS EVENING...

The National Weather Service in Phoenix has issued a Blowing Dust Advisory, which is in effect until 8 PM MST this evening.

* AFFECTED AREA...Northwest Maricopa County, including Wickenburg, and much of western, northern, and central Phoenix areas. Also included are Interstate 10 from Phoenix westward and Interstate 17 from Phoenix northward.

* TIMING...Through this evening.

* WINDS...Westerly winds of 20 to 30 mph gusting up to 45 mph.

* VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.

* IMPACTS...Difficult driving conditions, especially on any north-south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

&&

\$\$

AZZ539-549-551-553>555-559-130300-
/O.EXA.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
Gila Bend-Fountain Hills/East Mesa-Southeast Valley/Queen Creek-
Northwest Pinal County-West Pinal County-
Apache Junction/Gold Canyon-Sonoran Desert Natl Monument-
Including the cities of Gila Bend, Sentinel, Fountain Hills,
Sun Lakes, Queen Creek, Casa Grande, Cactus Forest, Florence,
Coolidge, and Apache Junction
1231 PM MST Thu Apr 12 2018

...BLOWING DUST ADVISORY IN EFFECT UNTIL 8 PM MST THIS EVENING...

The National Weather Service in Phoenix has issued a Blowing Dust Advisory, which is in effect until 8 PM MST this evening.

* AFFECTED AREA...Portions of Maricopa and Pinal Counties.

* TIMING...Now through this evening.

* WINDS...Westerly winds of 20 to 30 mph gusting to 30 to 40 mph.

* VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.

* IMPACTS...Difficult driving conditions, especially on any north-south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra

caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ530-533-CAZ560-561-569-570-130300-
/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0300Z/
Parker Valley-Central La Paz-Joshua Tree NP West-
Joshua Tree NP East-Palo Verde Valley-Chuckwalla Valley-
Including the cities of Parker, Ehrenberg, Brenda, Harcuvar,
Quartzsite, Vicksburg, Vicksburg Junction, Salome,
Cottonwood Visitor, Lost Horse-Keys Village, Martinez Lake,
Blythe, Palo Verde, Ripley, and Midland
1231 PM MST Thu Apr 12 2018 /1231 PM PDT Thu Apr 12 2018/

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST /8 PM
PDT/ THIS EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST /8 PM PDT/ THIS
EVENING...

- * AFFECTED AREA...Much of Eastern Riverside County in California and most of La Paz County in Arizona. This includes Blythe, Quartzsite, Joshua Tree National Park, and portions of Interstate 10 from near Centennial west through Blythe and toward Desert Center.
- * TIMING...Through this evening.
- * WINDS...Westerly winds of 25 to 35 mph gusting to 40 to 50 mph.
- * VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.
- * Impacts...Difficult driving conditions, especially on any north-south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Motorists traveling along Interstate 10 are urged to exercise caution. Unsecured objects may also become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

CAZ562-563-566-567-130300-
/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0300Z/

Imperial County Southwest-Salton Sea-Imperial County West-
Imperial Valley-

Including the cities of Mountain Spring, Desert Shores,
Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo,
Plaster City, El Centro, Calexico, Alamo, and Brawley
1231 PM PDT Thu Apr 12 2018

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS
EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...

* AFFECTED AREA...Western Imperial County including the Imperial
Valley and El Centro, the Salton Sea, and portions of
Interstate 8 from El Centro west toward Ocotillo.

* TIMING...Through this evening.

* WINDS...West winds of 25 to 35 mph gusting to 40 to 50 mph.

* VISIBILITY...Generally 1 to 5 miles, but occasionally lower than
1 mile in isolated dust channels.

* Impacts...Difficult driving conditions, especially on any

north- south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Motorists traveling along Interstate 8 are urged to exercise caution. Unsecured objects may also become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ531-532-535-536-CAZ564-565-568-130300-
 /O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
 Kofa-Yuma-Southeast Yuma County-Gila River Valley-
 Chuckwalla Mountains-Imperial County Southeast-Chiriaco Summit-
 Including the cities of Palm Canyon, Yuma, Fortuna Foothills,
 Ligorita, Imperial Hot Mineral Springs, Winterhaven,
 and Chiriaco Summit
 1231 PM MST Thu Apr 12 2018 /1231 PM PDT Thu Apr 12 2018/

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST /8 PM
 PDT/ THIS EVENING...

- * AFFECTED AREA...Portions of Yuma and Imperial Counties.
- * TIMING...Through this evening.
- * WINDS...West winds of 20 to 30 mph gusting to 35 to 40 mph.
- * VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.

* Impacts...Difficult driving conditions, especially on any north- south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Motorists traveling along Interstate 8 are urged to exercise caution.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ545-547-552-556>558-560>563-130200-
/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0200Z/
New River Mesa-Rio Verde/Salt River-Superior-Tonto Basin-
Mazatzal Mountains-Pinal/Superstition Mountains-San Carlos-
Dripping Springs-Globe/Miami-Southeast Gila County-
Including the cities of Superior, Punkin Center, Sunflower,
San Carlos, Peridot, Hayden, Winkelman, Globe, and Miami
1231 PM MST Thu Apr 12 2018

...WIND ADVISORY REMAINS IN EFFECT UNTIL 7 PM MST THIS EVENING...

* AFFECTED AREA...Far northeast Maricopa County and all of southern Gila County. This includes Superior, Globe, Punkin Center, and San Carlos.

* TIMING...Through this evening.

* WINDS...Westerly winds of 25 to 35 mph gusting up to 45 mph.

* IMPACTS...Difficult driving conditions, especially on any north- south oriented roads in open areas. Winds may become enhanced in east-west valleys. Stronger winds will occur over area lakes, including Lake Roosevelt. At lower elevations, some areas of blowing dust may develop. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between

30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

&&

\$\$

IOWA STATE UNIVERSITY

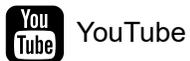
College of Ag
Department of Agronomy

Department of Agronomy

716 Farm House Ln
Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



☐

138

WWUS75 KPSR 122034

NPWPSR

URGENT - WEATHER MESSAGE

National Weather Service Phoenix AZ

134 PM MST Thu Apr 12 2018

AZZ548-130300-

/O.NEW.KPSR.DS.W.0001.180412T2034Z-180412T2200Z/

/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/

/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0200Z/

East Valley-

Including the cities of Mesa, Chandler, Tempe, and Gilbert

134 PM MST Thu Apr 12 2018

...DUST STORM WARNING IN EFFECT UNTIL 3 PM MST THIS AFTERNOON...

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 7 PM MST THIS EVENING...

The National Weather Service in Phoenix has issued a Dust Storm Warning, which is in effect until 3 PM MST this afternoon.

* AFFECTED AREA...The East Valley, particularly Chandler, Gilbert and Mesa.

* TIMING...Through 3 pm.

* WINDS...Westerly winds of 20 to 30 mph gusting up to 45 mph.

* VISIBILITY...Generally one half of a mile to two miles, but areas below one quarter of a mile are possible.

* IMPACTS...Difficult driving conditions, especially on any north-south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra

caution.

Be ready for a sudden drop in visibility to near zero. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ551-130300-

/O.NEW.KPSR.DS.W.0001.180412T2034Z-180412T2200Z/

/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/

Southeast Valley/Queen Creek-

Including the cities of Sun Lakes and Queen Creek

134 PM MST Thu Apr 12 2018

...DUST STORM WARNING IN EFFECT UNTIL 3 PM MST THIS AFTERNOON...

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS EVENING...

The National Weather Service in Phoenix has issued a Dust Storm Warning, which is in effect until 3 PM MST this afternoon.

* AFFECTED AREA...The Southeast Valley including Queen Creek.

* TIMING...Through 3 pm.

* WINDS...Westerly winds of 20 to 30 mph gusting to 30 to 40 mph.

* VISIBILITY...Generally one half of a mile to two miles, but areas below one quarter of a mile are possible.

* IMPACTS...Difficult driving conditions, especially on any north-south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under

a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ534-537-538-540>544-546-550-130300-
/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0200Z/
Aguila Valley-Northwest Valley-Tonopah Desert-Buckeye/Avondale-
Cave Creek/New River-Deer Valley-Central Phoenix-
North Phoenix/Glendale-Scottsdale/Paradise Valley-
South Mountain/Ahwatukee-
Including the cities of Aguila, Gladden, Wickenburg, Circle City,
Surprise, Wittmann, Beardsley, Sun City West, Arlington,
Hassayampa, Tonopah, Wintersburg, Avondale, Cashion, Goodyear,
Liberty, Scottsdale, Peoria, Phoenix, and Paradise Valley
134 PM MST Thu Apr 12 2018

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 7 PM MST THIS EVENING...

* AFFECTED AREA...Northwest Maricopa County, including Wickenburg, and much of western, northern, and central Phoenix areas. Also included are Interstate 10 from Phoenix westward and Interstate 17 from Phoenix northward.

* TIMING...Through this evening.

* WINDS...Westerly winds of 20 to 30 mph gusting up to 45 mph.

* VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.

* IMPACTS...Difficult driving conditions, especially on any north-south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

&&

\$\$

AZZ530-533-CAZ560-561-569-570-130300-
 /O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
 /O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0300Z/
 Parker Valley-Central La Paz-Joshua Tree NP West-
 Joshua Tree NP East-Palo Verde Valley-Chuckwalla Valley-
 Including the cities of Parker, Ehrenberg, Brenda, Harcuvar,
 Quartzsite, Vicksburg, Vicksburg Junction, Salome,
 Cottonwood Visitor, Lost Horse-Keys Village, Martinez Lake,
 Blythe, Palo Verde, Ripley, and Midland
 134 PM MST Thu Apr 12 2018 /134 PM PDT Thu Apr 12 2018/

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST /8 PM
 PDT/ THIS EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST /8 PM PDT/ THIS
 EVENING...

- * AFFECTED AREA...Much of Eastern Riverside County in California and most of La Paz County in Arizona. This includes Blythe, Quartzite, Joshua Tree National Park, and portions of Interstate 10 from near Centennial west through Blythe and toward Desert Center.
- * TIMING...Through this evening.
- * WINDS...Westerly winds of 25 to 35 mph gusting to 40 to 50 mph.
- * VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.
- * Impacts...Difficult driving conditions, especially on any north-south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Motorists traveling along Interstate 10 are urged to exercise caution. Unsecured objects may also become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

CAZ562-563-566-567-130300-
/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0300Z/

Imperial County Southwest-Salton Sea-Imperial County West-
Imperial Valley-
Including the cities of Mountain Spring, Desert Shores,
Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo,
Plaster City, El Centro, Calexico, Alamo, and Brawley
134 PM PDT Thu Apr 12 2018

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...

* AFFECTED AREA...Western Imperial County including the Imperial Valley and El Centro, the Salton Sea, and portions of Interstate 8 from El Centro west toward Ocotillo.

* TIMING...Through this evening.

* WINDS...West winds of 25 to 35 mph gusting to 40 to 50 mph.

* VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.

* Impacts...Difficult driving conditions, especially on any

north- south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Motorists traveling along Interstate 8 are urged to exercise caution. Unsecured objects may also become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ531-532-535-536-539-549-553>555-559-CAZ564-565-568-130300-
/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
Kofa-Yuma-Southeast Yuma County-Gila River Valley-Gila Bend-
Fountain Hills/East Mesa-Northwest Pinal County-West Pinal County-
Apache Junction/Gold Canyon-Sonoran Desert Natl Monument-
Chuckwalla Mountains-Imperial County Southeast-Chiriaco Summit-
Including the cities of Palm Canyon, Yuma, Fortuna Foothills,
Ligurta, Gila Bend, Sentinel, Fountain Hills, Casa Grande,
Cactus Forest, Florence, Coolidge, Apache Junction,
Imperial Hot Mineral Springs, Winterhaven, and Chiriaco Summit
134 PM MST Thu Apr 12 2018 /134 PM PDT Thu Apr 12 2018/

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST /8 PM
PDT/ THIS EVENING...

- * AFFECTED AREA...Portions of Maricopa and Pinal Counties.
- * TIMING...Now through this evening.
- * WINDS...Westerly winds of 20 to 30 mph gusting to 30 to 40 mph.

* VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.

* IMPACTS...Difficult driving conditions, especially on any north- south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ545-547-552-556>558-560>563-130200-
/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0200Z/
New River Mesa-Rio Verde/Salt River-Superior-Tonto Basin-
Mazatzal Mountains-Pinal/Superstition Mountains-San Carlos-
Dripping Springs-Globe/Miami-Southeast Gila County-
Including the cities of Superior, Punkin Center, Sunflower,
San Carlos, Peridot, Hayden, Winkelman, Globe, and Miami
134 PM MST Thu Apr 12 2018

...WIND ADVISORY REMAINS IN EFFECT UNTIL 7 PM MST THIS EVENING...

* AFFECTED AREA...Far northeast Maricopa County and all of southern Gila County. This includes Superior, Globe, Punkin Center, and San Carlos.

* TIMING...Through this evening.

* WINDS...Westerly winds of 25 to 35 mph gusting up to 45 mph.

* IMPACTS...Difficult driving conditions, especially on any north- south oriented roads in open areas. Winds may become enhanced in east-west valleys. Stronger winds will occur over area lakes, including Lake Roosevelt. At lower elevations, some areas of blowing dust may develop. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

&&

\$\$

IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

Department of Agronomy

716 Farm House Ln

Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone

 Facebook

 Twitter

 Github

☐

002

WWUS75 KPSR 122042

NPWPSR

URGENT - WEATHER MESSAGE

National Weather Service Phoenix AZ

142 PM MST Thu Apr 12 2018

AZZ550-130300-

/O.EXA.KPSR.DS.W.0001.000000T0000Z-180412T2200Z/

/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/

/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0200Z/

South Mountain/Ahwatukee-

142 PM MST Thu Apr 12 2018

...DUST STORM WARNING IN EFFECT UNTIL 3 PM MST THIS AFTERNOON...

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 7 PM MST THIS EVENING...

The National Weather Service in Phoenix has issued a Dust Storm Warning, which is in effect until 3 PM MST this afternoon.

* AFFECTED AREA...Ahwatukee and areas near the intersection of 347 and I-10.

* TIMING...Through 3 pm.

* WINDS...Westerly winds of 20 to 30 mph gusting up to 45 mph.

* VISIBILITY...Generally one half of a mile to two miles, but areas below one quarter of a mile are possible.

* IMPACTS...Difficult driving conditions, especially on any north-south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

&&

\$\$

AZZ548-130300-

/O.CON.KPSR.DS.W.0001.000000T0000Z-180412T2200Z/

/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/

/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0200Z/

East Valley-

Including the cities of Mesa, Chandler, Tempe, and Gilbert

142 PM MST Thu Apr 12 2018

...DUST STORM WARNING REMAINS IN EFFECT UNTIL 3 PM MST THIS
AFTERNOON...

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS
EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 7 PM MST THIS EVENING...

* AFFECTED AREA...The East Valley, particularly Chandler,
Gilbert and Mesa.

* TIMING...Through 3 pm.

* WINDS...Westerly winds of 20 to 30 mph gusting up to 45 mph.

* VISIBILITY...Generally one half of a mile to two miles, but
areas below one quarter of a mile are possible.

* IMPACTS...Difficult driving conditions, especially on any
north- south oriented roads in open areas. Reductions in
visibility due to blowing dust will result in hazardous
driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between
30 and 40 mph are expected, or wind gusts of between 40 and
58 mph. Winds this strong can make driving difficult, especially
for high profile vehicles. In addition, strong winds over desert
areas could result in briefly lowered visibilities to well under
a mile at times in blowing dust or blowing sand. Use extra
caution.

Be ready for a sudden drop in visibility to near zero. If you
encounter blowing dust or blowing sand on the roadway or see it
approaching, pull off the road as far as possible and put your
vehicle in park. Turn the lights all the way off and keep your
foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ551-130300-
/O.CON.KPSR.DS.W.0001.000000T0000Z-180412T2200Z/
/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
Southeast Valley/Queen Creek-
Including the cities of Sun Lakes and Queen Creek
142 PM MST Thu Apr 12 2018

...DUST STORM WARNING REMAINS IN EFFECT UNTIL 3 PM MST THIS
AFTERNOON...

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS
EVENING...

* AFFECTED AREA...The Southeast Valley including Queen Creek.

* TIMING...Through 3 pm.

* WINDS...Westerly winds of 20 to 30 mph gusting to 30 to 40 mph.

* VISIBILITY...Generally one half of a mile to two miles, but
areas below one quarter of a mile are possible.

* IMPACTS...Difficult driving conditions, especially on any
north- south oriented roads in open areas. Reductions in
visibility due to blowing dust will result in hazardous
driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between
30 and 40 mph are expected, or wind gusts of between 40 and
58 mph. Winds this strong can make driving difficult, especially
for high profile vehicles. In addition, strong winds over desert
areas could result in briefly lowered visibilities to well under
a mile at times in blowing dust or blowing sand. Use extra
caution.

Be ready for a sudden drop in visibility. If you encounter
blowing dust or blowing sand on the roadway or see it
approaching, pull off the road as far as possible and put your
vehicle in park. Turn the lights all the way off and keep your
foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ534-537-538-540>544-546-130300-
/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0200Z/
Aguila Valley-Northwest Valley-Tonopah Desert-Buckeye/Avondale-
Cave Creek/New River-Deer Valley-Central Phoenix-
North Phoenix/Glendale-Scottsdale/Paradise Valley-
Including the cities of Aguila, Gladden, Wickenburg, Circle City,
Surprise, Wittmann, Beardsley, Sun City West, Arlington,
Hassayampa, Tonopah, Wintersburg, Avondale, Cashion, Goodyear,
Liberty, Scottsdale, Peoria, Phoenix, and Paradise Valley
142 PM MST Thu Apr 12 2018

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS
EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 7 PM MST THIS EVENING...

* AFFECTED AREA...Northwest Maricopa County, including
Wickenburg, and much of western, northern, and central Phoenix
areas. Also included are Interstate 10 from Phoenix westward
and Interstate 17 from Phoenix northward.

* TIMING...Through this evening.

* WINDS...Westerly winds of 20 to 30 mph gusting up to 45 mph.

* VISIBILITY...Generally 1 to 5 miles, but occasionally lower
than 1 mile in isolated dust channels.

* IMPACTS...Difficult driving conditions, especially on any
north-south oriented roads in open areas. Reductions in
visibility due to blowing dust will result in hazardous
driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between
30 and 40 mph are expected, or wind gusts of between 40 and
58 mph. Winds this strong can make driving difficult, especially
for high profile vehicles. In addition, strong winds over desert
areas could result in briefly lowered visibilities to well under
a mile at times in blowing dust or blowing sand. Use extra
caution.

&&

\$\$

AZZ530-533-CAZ560-561-569-570-130300-
/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0300Z/
Parker Valley-Central La Paz-Joshua Tree NP West-
Joshua Tree NP East-Palo Verde Valley-Chuckwalla Valley-
Including the cities of Parker, Ehrenberg, Brenda, Harcuvar,
Quartzsite, Vicksburg, Vicksburg Junction, Salome,
Cottonwood Visitor, Lost Horse-Keys Village, Martinez Lake,
Blythe, Palo Verde, Ripley, and Midland
142 PM MST Thu Apr 12 2018 /142 PM PDT Thu Apr 12 2018/

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST /8 PM
PDT/ THIS EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST /8 PM PDT/ THIS
EVENING...

* AFFECTED AREA...Much of Eastern Riverside County in California
and most of La Paz County in Arizona. This includes Blythe,
Quartzite, Joshua Tree National Park, and portions of
Interstate 10 from near Centennial west through Blythe and
toward Desert Center.

* TIMING...Through this evening.

* WINDS...Westerly winds of 25 to 35 mph gusting to 40 to 50 mph.

* VISIBILITY...Generally 1 to 5 miles, but occasionally lower
than 1 mile in isolated dust channels.

* Impacts...Difficult driving conditions, especially on any
north- south oriented roads in open areas. Reductions in
visibility due to blowing dust will result in hazardous
driving conditions. Motorists traveling along Interstate 10
are urged to exercise caution. Unsecured objects may also
become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between
30 and 40 mph are expected, or wind gusts of between 40 and
58 mph. Winds this strong can make driving difficult, especially
for high profile vehicles. In addition, strong winds over desert
areas could result in briefly lowered visibilities to well under
a mile at times in blowing dust or blowing sand. Use extra
caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

CAZ562-563-566-567-130300-

/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/

/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0300Z/

Imperial County Southwest-Salton Sea-Imperial County West-
Imperial Valley-

Including the cities of Mountain Spring, Desert Shores,
Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo,
Plaster City, El Centro, Calexico, Alamorio, and Brawley
142 PM PDT Thu Apr 12 2018

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...

* AFFECTED AREA...Western Imperial County including the Imperial Valley and El Centro, the Salton Sea, and portions of Interstate 8 from El Centro west toward Ocotillo.

* TIMING...Through this evening.

* WINDS...West winds of 25 to 35 mph gusting to 40 to 50 mph.

* VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.

* Impacts...Difficult driving conditions, especially on any north-south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Motorists traveling along Interstate 8 are urged to exercise caution. Unsecured objects may also become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and

58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ531-532-535-536-539-549-553>555-559-CAZ564-565-568-130300-
 /O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
 Kofa-Yuma-Southeast Yuma County-Gila River Valley-Gila Bend-
 Fountain Hills/East Mesa-Northwest Pinal County-West Pinal County-
 Apache Junction/Gold Canyon-Sonoran Desert Natl Monument-
 Chuckwalla Mountains-Imperial County Southeast-Chiriaco Summit-
 Including the cities of Palm Canyon, Yuma, Fortuna Foothills,
 Ligorita, Gila Bend, Sentinel, Fountain Hills, Casa Grande,
 Cactus Forest, Florence, Coolidge, Apache Junction,
 Imperial Hot Mineral Springs, Winterhaven, and Chiriaco Summit
 142 PM MST Thu Apr 12 2018 /142 PM PDT Thu Apr 12 2018/

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST /8 PM
 PDT/ THIS EVENING...

- * AFFECTED AREA...Portions of Maricopa and Pinal Counties.
- * TIMING...Now through this evening.
- * WINDS...Westerly winds of 20 to 30 mph gusting to 30 to 40 mph.
- * VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.
- * IMPACTS...Difficult driving conditions, especially on any north- south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ545-547-552-556>558-560>563-130200-
/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0200Z/
New River Mesa-Rio Verde/Salt River-Superior-Tonto Basin-
Mazatzal Mountains-Pinal/Superstition Mountains-San Carlos-
Dripping Springs-Globe/Miami-Southeast Gila County-
Including the cities of Superior, Punkin Center, Sunflower,
San Carlos, Peridot, Hayden, Winkelman, Globe, and Miami
142 PM MST Thu Apr 12 2018

...WIND ADVISORY REMAINS IN EFFECT UNTIL 7 PM MST THIS EVENING...

- * AFFECTED AREA...Far northeast Maricopa County and all of southern Gila County. This includes Superior, Globe, Punkin Center, and San Carlos.
- * TIMING...Through this evening.
- * WINDS...Westerly winds of 25 to 35 mph gusting up to 45 mph.
- * IMPACTS...Difficult driving conditions, especially on any north-south oriented roads in open areas. Winds may become enhanced in east-west valleys. Stronger winds will occur over area lakes, including Lake Roosevelt. At lower elevations, some areas of blowing dust may develop. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between

30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

&&

\$\$

IOWA STATE UNIVERSITY

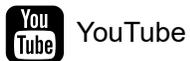
College of Ag
Department of Agronomy

Department of Agronomy

716 Farm House Ln
Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



☐

261

WWUS75 KPSR 122049

NPWPSR

URGENT - WEATHER MESSAGE

National Weather Service Phoenix AZ

149 PM MST Thu Apr 12 2018

AZZ553-130300-

/O.EXA.KPSR.DS.W.0001.000000T0000Z-180412T2200Z/

/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/

Northwest Pinal County-

Including the cities of Casa Grande, Cactus Forest, Florence,
and Coolidge

149 PM MST Thu Apr 12 2018

...DUST STORM WARNING IN EFFECT UNTIL 3 PM MST THIS AFTERNOON...

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS
EVENING...

The National Weather Service in Phoenix has issued a Dust Storm
Warning, which is in effect until 3 PM MST this afternoon.

* AFFECTED AREA...Portions of Pinal County including I-10.

* TIMING...Now through 3 pm.

* WINDS...Westerly winds of 20 to 30 mph gusting to 30 to 40 mph.

* VISIBILITY...Generally one half of a mile to two miles, but
areas below one quarter of a mile are possible.

* IMPACTS...Difficult driving conditions, especially on any
north- south oriented roads in open areas. Reductions in
visibility due to blowing dust will result in hazardous
driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between
30 and 40 mph are expected, or wind gusts of between 40 and
58 mph. Winds this strong can make driving difficult, especially
for high profile vehicles. In addition, strong winds over desert
areas could result in briefly lowered visibilities to well under
a mile at times in blowing dust or blowing sand. Use extra
caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ548-550-130300-

/O.CON.KPSR.DS.W.0001.000000T0000Z-180412T2200Z/

/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/

/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0200Z/

East Valley-South Mountain/Ahwatukee-

Including the cities of Mesa, Chandler, Tempe, and Gilbert

149 PM MST Thu Apr 12 2018

...DUST STORM WARNING REMAINS IN EFFECT UNTIL 3 PM MST THIS AFTERNOON...

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 7 PM MST THIS EVENING...

* AFFECTED AREA...The East Valley, particularly Chandler, Gilbert and Mesa.

* TIMING...Through 3 pm.

* WINDS...Westerly winds of 20 to 30 mph gusting up to 45 mph.

* VISIBILITY...Generally one half of a mile to two miles, but areas below one quarter of a mile are possible.

* IMPACTS...Difficult driving conditions, especially on any north-south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra

caution.

Be ready for a sudden drop in visibility to near zero. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ551-130300-

/O.CON.KPSR.DS.W.0001.000000T0000Z-180412T2200Z/

/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/

Southeast Valley/Queen Creek-

Including the cities of Sun Lakes and Queen Creek

149 PM MST Thu Apr 12 2018

...DUST STORM WARNING REMAINS IN EFFECT UNTIL 3 PM MST THIS AFTERNOON...

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS EVENING...

* AFFECTED AREA...The Southeast Valley including Queen Creek.

* TIMING...Through 3 pm.

* WINDS...Westerly winds of 20 to 30 mph gusting to 30 to 40 mph.

* VISIBILITY...Generally one half of a mile to two miles, but areas below one quarter of a mile are possible.

* IMPACTS...Difficult driving conditions, especially on any north- south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ534-537-538-540>544-546-130300-
/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0200Z/
Aguila Valley-Northwest Valley-Tonopah Desert-Buckeye/Avondale-
Cave Creek/New River-Deer Valley-Central Phoenix-
North Phoenix/Glendale-Scottsdale/Paradise Valley-
Including the cities of Aguila, Gladden, Wickenburg, Circle City,
Surprise, Wittmann, Beardsley, Sun City West, Arlington,
Hassayampa, Tonopah, Wintersburg, Avondale, Cashion, Goodyear,
Liberty, Scottsdale, Peoria, Phoenix, and Paradise Valley
149 PM MST Thu Apr 12 2018

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 7 PM MST THIS EVENING...

* AFFECTED AREA...Northwest Maricopa County, including Wickenburg, and much of western, northern, and central Phoenix areas. Also included are Interstate 10 from Phoenix westward and Interstate 17 from Phoenix northward.

* TIMING...Through this evening.

* WINDS...Westerly winds of 20 to 30 mph gusting up to 45 mph.

* VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.

* IMPACTS...Difficult driving conditions, especially on any north-south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between

30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

&&

\$\$

AZZ530-533-CAZ560-561-569-570-130300-
/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0300Z/
Parker Valley-Central La Paz-Joshua Tree NP West-
Joshua Tree NP East-Palo Verde Valley-Chuckwalla Valley-
Including the cities of Parker, Ehrenberg, Brenda, Harcuvar,
Quartzsite, Vicksburg, Vicksburg Junction, Salome,
Cottonwood Visitor, Lost Horse-Keys Village, Martinez Lake,
Blythe, Palo Verde, Ripley, and Midland
149 PM MST Thu Apr 12 2018 /149 PM PDT Thu Apr 12 2018/

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST /8 PM
PDT/ THIS EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST /8 PM PDT/ THIS
EVENING...

* AFFECTED AREA...Much of Eastern Riverside County in California
and most of La Paz County in Arizona. This includes Blythe,
Quartzite, Joshua Tree National Park, and portions of
Interstate 10 from near Centennial west through Blythe and
toward Desert Center.

* TIMING...Through this evening.

* WINDS...Westerly winds of 25 to 35 mph gusting to 40 to 50 mph.

* VISIBILITY...Generally 1 to 5 miles, but occasionally lower
than 1 mile in isolated dust channels.

* Impacts...Difficult driving conditions, especially on any
north- south oriented roads in open areas. Reductions in
visibility due to blowing dust will result in hazardous
driving conditions. Motorists traveling along Interstate 10
are urged to exercise caution. Unsecured objects may also
become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

CAZ562-563-566-567-130300-
 /O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
 /O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0300Z/

Imperial County Southwest-Salton Sea-Imperial County West-
 Imperial Valley-

Including the cities of Mountain Spring, Desert Shores,
 Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo,
 Plaster City, El Centro, Calexico, Alamo, and Brawley
 149 PM PDT Thu Apr 12 2018

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS
 EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...

* AFFECTED AREA...Western Imperial County including the Imperial
 Valley and El Centro, the Salton Sea, and portions of
 Interstate 8 from El Centro west toward Ocotillo.

* TIMING...Through this evening.

* WINDS...West winds of 25 to 35 mph gusting to 40 to 50 mph.

* VISIBILITY...Generally 1 to 5 miles, but occasionally lower
 than 1 mile in isolated dust channels.

* Impacts...Difficult driving conditions, especially on any
 north- south oriented roads in open areas. Reductions in
 visibility due to blowing dust will result in hazardous
 driving conditions. Motorists traveling along Interstate 8 are

urged to exercise caution. Unsecured objects may also become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ531-532-535-536-539-549-554-555-559-CAZ564-565-568-130300-
 /O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
 Kofa-Yuma-Southeast Yuma County-Gila River Valley-Gila Bend-
 Fountain Hills/East Mesa-West Pinal County-
 Apache Junction/Gold Canyon-Sonoran Desert Natl Monument-
 Chuckwalla Mountains-Imperial County Southeast-Chiriaco Summit-
 Including the cities of Palm Canyon, Yuma, Fortuna Foothills,
 Ligorita, Gila Bend, Sentinel, Fountain Hills, Apache Junction,
 Imperial Hot Mineral Springs, Winterhaven, and Chiriaco Summit
 149 PM MST Thu Apr 12 2018 /149 PM PDT Thu Apr 12 2018/

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST /8 PM
 PDT/ THIS EVENING...

- * AFFECTED AREA...Portions of Maricopa and Pinal Counties.
- * TIMING...Now through this evening.
- * WINDS...Westerly winds of 20 to 30 mph gusting to 30 to 40 mph.
- * VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.
- * IMPACTS...Difficult driving conditions, especially on any

north- south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ545-547-552-556>558-560>563-130200-
/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0200Z/
New River Mesa-Rio Verde/Salt River-Superior-Tonto Basin-
Mazatzal Mountains-Pinal/Superstition Mountains-San Carlos-
Dripping Springs-Globe/Miami-Southeast Gila County-
Including the cities of Superior, Punkin Center, Sunflower,
San Carlos, Peridot, Hayden, Winkelman, Globe, and Miami
149 PM MST Thu Apr 12 2018

...WIND ADVISORY REMAINS IN EFFECT UNTIL 7 PM MST THIS EVENING...

- * AFFECTED AREA...Far northeast Maricopa County and all of southern Gila County. This includes Superior, Globe, Punkin Center, and San Carlos.
- * TIMING...Through this evening.
- * WINDS...Westerly winds of 25 to 35 mph gusting up to 45 mph.
- * IMPACTS...Difficult driving conditions, especially on any north- south oriented roads in open areas. Winds may become enhanced in east-west valleys. Stronger winds will occur over area lakes, including Lake Roosevelt. At lower elevations,

some areas of blowing dust may develop. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

&&

\$\$

IOWA STATE UNIVERSITY

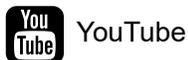
College of Ag
Department of Agronomy

Department of Agronomy

716 Farm House Ln
Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



☐

459

FXUS65 KPSR 122050

AFDPSR

Area Forecast Discussion

National Weather Service Phoenix AZ

150 PM MST Thu Apr 12 2018

.SYNOPSIS...

A strong but dry weather system will move across the region today into early Friday ushering in windy and significantly cooler conditions through Saturday. Increasing high pressure and a rebound in temperatures is expected for Sunday and Monday with highs back into the upper 80s to lower 90s. Another weak weather system will mainly pass to the north late next Monday and Tuesday allowing for a return of windy conditions and another drop in temperatures into the middle of next week.

&&

.DISCUSSION...

Frontal boundary continues to make its way through central Arizona early this afternoon. With the strong diabatic influence of the April sun, temperatures have managed to reach the mid to upper 80s across the Phoenix area, despite the cold advection. Bigger impact remains the widespread windy conditions and high fire danger across the Desert Southwest. Latest forecast soundings continue to suggest that gusts to 40 to 45 mph will be possible across a large portion of the area during the time of maximum mixing around 5 pm.

Weaker winds have already generated concentrated dust channels, mainly across the lower deserts of southeastern California. Latest GOES-16 Dust RGB reveals that the coverage of dust plumes has increased across the region. Visibilities will continue to decrease and conditions will deteriorate through late afternoon as skies generally become dusty and hazy. A Blowing Dust Advisory remains in effect for much of the area into this evening.

&&

.PREVIOUS DISCUSSION...

The trough will continue to the east tonight, but the back side will linger across eastern Arizona through Friday morning. The pressure gradient will relax somewhat into Friday, but northwesterly gusts during the daytime hours Friday will likely exceed 30-35 mph at times, just below advisory level. Further

drying into Friday will lead to dangerously low humidities by the afternoon with readings falling down to near 5%. The very dry conditions and gusty winds will again lead to Red Flag conditions over much of Arizona for Friday afternoon and early evening. Temperatures will drop even further on Friday with highs only reaching into the upper 70s to near 80 over the deserts (5-7 degrees below normal).

Starting Saturday, the trough will have moved far enough east to allow for ridging to take over across the Desert Southwest and for winds to diminish. The increasing heights aloft will give rise to warming conditions as highs again reach to near normal readings on Saturday. The ridge axis passes through the region Saturday night and Sunday, so Sunday still looks to be the warmest day of the period with highs into the lower 90s over much of the deserts.

Another significant dry Pacific trough is forecast to move onshore Monday, eventually moving into the Great Basin and the Desert Southwest on Tuesday. Monday again looks to be warm with highs only a few degrees lower than Sunday. The approaching trough will also lead to breezy to windy conditions Monday, but for now winds seem to fall just short of advisory criteria. A dry cold front should pass through the region early Tuesday allowing for highs to only reach to around 80 degrees. Slight recovery is anticipated through the middle of next week with temperatures climbing back to around normals, but it may not last long as we face the potential of another Pacific low for late next week. This trough has better potential for moving directly through the Desert Southwest, and if it would, it would bring a return to rain chances.

&&

.AVIATION...

South-Central Arizona including KPHX, KIWA, and KSDL:
Winds have already shifted to the southwest late this morning with widespread gusts nearing 25kt. Even stronger WSW gusts in a 30-40kt range will be likely late this afternoon and evening. Suspended dust will impact slantwise visibilities with some chance of even lower MVFR visibilities, especially at KIWA. Strong winds will persist through the evening and overnight impacting the evening high volume period at KPHX.

Wind speeds will weaken somewhat early Friday morning with a tendency to become more NNW or even due north. Given the terrain influence, KPHX may see periods of high variability in direction around sunrise. Gusts in a 20-30kt range will resume late Friday morning.

Southeast California/Southwest Arizona including KIPL and KBLH: Gusty winds will persist into the evening with copious amounts of suspended dust impacting slantwise visibilities, and locally MVFR visibility restrictions due to BLDU. Some weakening in the gusts will occur overnight, but likely not completely abate. However, enough weakening will occur to improve BLDU. Stronger wind gusts will likely resume again by early Friday afternoon.

Aviation Discussion not updated for amended TAFs.

&&

.FIRE WEATHER...

Saturday through Wednesday...

High pressure builds over the Desert SW for Saturday and Sunday allowing winds to become relatively light over the weekend.

Temperatures will also rebound with highs near 90 for the lower deserts by Sunday. Another dry weather system will move in on Monday bringing yet more wind to our entire area. At this point an elevated fire weather threat will most certainly exist on Monday, especially in SE California, but it is not clear if we will hit critical fire weather thresholds. Cooler weather and light winds will move in behind this system on Tuesday although conditions will still remain very dry.

&&

.SPOTTER INFORMATION STATEMENT...

Spotter activation will not be needed this week.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...Blowing Dust Advisory until 8 PM MST this evening for AZZ530>544-546-548>551-553>555-559.

Red Flag Warning until 9 PM MST this evening for AZZ131>133.

Red Flag Warning from 11 AM to 7 PM MST Friday for AZZ132.

Wind Advisory until 7 PM MST this evening for AZZ534-537-538-540>548-550-552-556>558-560>563.

Wind Advisory until 8 PM MST this evening for AZZ530-533.

CA...Blowing Dust Advisory until 8 PM PDT this evening for CAZ560>570.

Red Flag Warning until 9 PM PDT this evening for CAZ230>232.

Wind Advisory until 8 PM PDT this evening for CAZ560>563-566-567-569-570.

&&

\$\$

DISCUSSION...Hirsch
PREVIOUS DISCUSSION...Kuhlman
AVIATION...MO
FIRE WEATHER...Iniguez/Hirsch

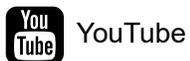
IOWA STATE UNIVERSITY

College of Ag
Department of Agronomy

Department of Agronomy

716 Farm House Ln
Ames, IA 50011

akrherz@iastate.edu
515-294-5978 phone



☐

921

FXUS66 KSGX 122054

AFDSGX

Area Forecast Discussion

National Weather Service San Diego CA

154 PM PDT Thu Apr 12 2018

.SYNOPSIS...

A low pressure trough passing over the SW will continue to produce strong winds through early this evening. The trough will move into AZ and NM tonight with much lighter winds. Cooler tonight as drier air invades the region under mostly clear skies, then warmer into the weekend under weak high pressure and offshore flow. Winds turn back onshore Sunday in advance of another Pacific trough. Cooling will begin over coastal areas and spread inland through Tuesday as strong westerly winds redevelop over the mountains and deserts.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO
COUNTIES...

Upper level trough feature will move east of SoCal through this evening. Strong winds will continue through early evening but not nearly as strong. Winds will be gradually decreasing this evening and overnight. Through early evening, winds likely to be up to 60 mph especially in the isolated wind prone locations along mountaintops and desert slopes.

Later tonight, upper level ridging will begin to build over the area with some light offshore flow developing near the surface. Any remaining low level cloud cover will dissipate later tonight as well.

Upper level ridging and light offshore flow will continue through Saturday with much warmer conditions west of the mountains.

Another trough will move through California on Monday. In advance of this trough onshore winds will again increase again with strong winds likely Monday afternoon through Tuesday over the mountains and down into the deserts. Near the coast the marine layer will increase again and we could see some patchy drizzle.

Brief transitory ridging on Wednesday. Models diverge and have

poor run to run consistency for Thursday into next weekend but it does look like another trough will move through SoCal during that time frame with another chance for a period of strong winds over the mountains and deserts.

&&

.AVIATION...

122030...Coast/Valleys...Patchy stratus, with bases around 4000 ft MSL and tops to 5500 ft MSL, will continue to slowly clear over the valleys through this evening. VFR conditions are expected tonight.

Mountains/Deserts...Gusty westerly winds will continue through this evening, with local gusts of 40 to 50 kt expected along mountain ridges, desert mountain slopes, and into adjacent desert areas. Rotors, LLWS, and Up/Downdrafts are possible over and east of the mountains particularly vcnty KPSP. Winds will decrease overnight.

&&

.MARINE...

Northwest wind gusts of 25-35 kt and combined seas of 9-14 ft will continue overnight across the coastal waters. A Small Craft Advisory remains in effect through 5 AM Friday. Conditions will improve over the weekend, then winds will increase again on Monday, leading to hazardous conditions again.

&&

.BEACHES...

Elevated surf of 3-5 ft with sets to 6 ft will create a high risk of rip currents across the San Diego and Orange County Beaches through Friday. Conditions will improve Saturday.

&&

.SKYWARN...

Skywarn activation is not requested. However weather spotters are encouraged to report significant weather conditions.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...High Wind Warning until 8 PM PDT this evening for Apple and Lucerne Valleys-Coachella Valley-Riverside County Mountains-San Bernardino County Mountains-San Diego County Deserts-San Diego County Mountains-San Gorgonio Pass Near Banning.

PZ...Small Craft Advisory until 5 AM PDT Friday for Coastal Waters from San Mateo Point to the Mexican Border and out to 30 nm- Waters from San Mateo point to the Mexican Border Extending 30 to 60 nm out including San Clemente Island.

&&

\$\$

PUBLIC...Brotherton

AVIATION/MARINE/BEACHES...JJT

IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

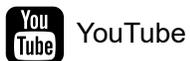
Department of Agronomy

716 Farm House Ln

Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



☐

792

WWUS75 KPSR 122156

NPWPSR

URGENT - WEATHER MESSAGE

National Weather Service Phoenix AZ

256 PM MST Thu Apr 12 2018

AZZ548-130300-

/O.CAN.KPSR.DS.W.0001.000000T0000Z-180412T2200Z/

/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/

/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0200Z/

East Valley-

Including the cities of Mesa, Chandler, Tempe, and Gilbert

256 PM MST Thu Apr 12 2018

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 7 PM MST THIS EVENING...

...DUST STORM WARNING IS CANCELLED...

The National Weather Service in Phoenix has cancelled the Dust Storm Warning.

* AFFECTED AREA...The East Valley, particularly Chandler, Gilbert and Mesa.

* TIMING...Through 3 pm.

* WINDS...Westerly winds of 20 to 30 mph gusting up to 45 mph.

* VISIBILITY...Generally one half of a mile to two miles, but areas below one quarter of a mile are possible.

* IMPACTS...Difficult driving conditions, especially on any north-south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

&&

\$\$

AZZ550-130300-
/O.EXT.KPSR.DS.W.0001.000000T0000Z-180413T0000Z/
/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0200Z/
South Mountain/Ahwatukee-
256 PM MST Thu Apr 12 2018

...DUST STORM WARNING NOW IN EFFECT UNTIL 5 PM MST THIS
AFTERNOON...

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS
EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 7 PM MST THIS EVENING...

* AFFECTED AREA...The East Valley, particularly Chandler,
Gilbert and Mesa.

* TIMING...Through 3 pm.

* WINDS...Westerly winds of 20 to 30 mph gusting up to 45 mph.

* VISIBILITY...Generally one half of a mile to two miles, but
areas below one quarter of a mile are possible.

* IMPACTS...Difficult driving conditions, especially on any
north-south oriented roads in open areas. Reductions in
visibility due to blowing dust will result in hazardous
driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under

a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility to near zero. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ551-553-130300-

/O.EXT.KPSR.DS.W.0001.000000T0000Z-180413T0000Z/

/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/

Southeast Valley/Queen Creek-Northwest Pinal County-

Including the cities of Sun Lakes, Queen Creek, Casa Grande, Cactus Forest, Florence, and Coolidge

256 PM MST Thu Apr 12 2018

...DUST STORM WARNING NOW IN EFFECT UNTIL 5 PM MST THIS AFTERNOON...

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS EVENING...

* AFFECTED AREA...Portions of Pinal County including I-10.

* TIMING...Now through 3 pm.

* WINDS...Westerly winds of 20 to 30 mph gusting to 30 to 40 mph.

* VISIBILITY...Generally one half of a mile to two miles, but areas below one quarter of a mile are possible.

* IMPACTS...Difficult driving conditions, especially on any north-south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under

a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ534-537-538-540>544-546-130300-
/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0200Z/
Aguila Valley-Northwest Valley-Tonopah Desert-Buckeye/Avondale-
Cave Creek/New River-Deer Valley-Central Phoenix-
North Phoenix/Glendale-Scottsdale/Paradise Valley-
Including the cities of Aguila, Gladden, Wickenburg, Circle City,
Surprise, Wittmann, Beardsley, Sun City West, Arlington,
Hassayampa, Tonopah, Wintersburg, Avondale, Cashion, Goodyear,
Liberty, Scottsdale, Peoria, Phoenix, and Paradise Valley
256 PM MST Thu Apr 12 2018

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 7 PM MST THIS EVENING...

* AFFECTED AREA...Northwest Maricopa County, including Wickenburg, and much of western, northern, and central Phoenix areas. Also included are Interstate 10 from Phoenix westward and Interstate 17 from Phoenix northward.

* TIMING...Through this evening.

* WINDS...Westerly winds of 20 to 30 mph gusting up to 45 mph.

* VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.

* IMPACTS...Difficult driving conditions, especially on any north-south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

&&

\$\$

AZZ530-533-CAZ560-561-569-570-130300-
/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0300Z/
Parker Valley-Central La Paz-Joshua Tree NP West-
Joshua Tree NP East-Palo Verde Valley-Chuckwalla Valley-
Including the cities of Parker, Ehrenberg, Brenda, Harcuvar,
Quartzsite, Vicksburg, Vicksburg Junction, Salome,
Cottonwood Visitor, Lost Horse-Keys Village, Martinez Lake,
Blythe, Palo Verde, Ripley, and Midland
256 PM MST Thu Apr 12 2018 /256 PM PDT Thu Apr 12 2018/

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST /8 PM
PDT/ THIS EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST /8 PM PDT/ THIS
EVENING...

* AFFECTED AREA...Much of Eastern Riverside County in California
and most of La Paz County in Arizona. This includes Blythe,
Quartzsite, Joshua Tree National Park, and portions of
Interstate 10 from near Centennial west through Blythe and
toward Desert Center.

* TIMING...Through this evening.

* WINDS...Westerly winds of 25 to 35 mph gusting to 40 to 50 mph.

* VISIBILITY...Generally 1 to 5 miles, but occasionally lower
than 1 mile in isolated dust channels.

* Impacts...Difficult driving conditions, especially on any
north- south oriented roads in open areas. Reductions in
visibility due to blowing dust will result in hazardous
driving conditions. Motorists traveling along Interstate 10
are urged to exercise caution. Unsecured objects may also
become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

CAZ562-563-566-567-130300-

/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/

/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0300Z/

Imperial County Southwest-Salton Sea-Imperial County West-Imperial Valley-

Including the cities of Mountain Spring, Desert Shores, Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo, Plaster City, El Centro, Calexico, Alamorio, and Brawley

256 PM PDT Thu Apr 12 2018

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...

* AFFECTED AREA...Western Imperial County including the Imperial Valley and El Centro, the Salton Sea, and portions of Interstate 8 from El Centro west toward Ocotillo.

* TIMING...Through this evening.

* WINDS...West winds of 25 to 35 mph gusting to 40 to 50 mph.

* VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.

* Impacts...Difficult driving conditions, especially on any north- south oriented roads in open areas. Reductions in

visibility due to blowing dust will result in hazardous driving conditions. Motorists traveling along Interstate 8 are urged to exercise caution. Unsecured objects may also become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ531-532-535-536-539-549-554-555-559-CAZ564-565-568-130300-
 /O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
 Kofa-Yuma-Southeast Yuma County-Gila River Valley-Gila Bend-
 Fountain Hills/East Mesa-West Pinal County-
 Apache Junction/Gold Canyon-Sonoran Desert Natl Monument-
 Chuckwalla Mountains-Imperial County Southeast-Chiriaco Summit-
 Including the cities of Palm Canyon, Yuma, Fortuna Foothills,
 Ligurta, Gila Bend, Sentinel, Fountain Hills, Apache Junction,
 Imperial Hot Mineral Springs, Winterhaven, and Chiriaco Summit
 256 PM MST Thu Apr 12 2018 /256 PM PDT Thu Apr 12 2018/

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST /8 PM
 PDT/ THIS EVENING...

- * AFFECTED AREA...Portions of Maricopa and Pinal Counties.
- * TIMING...Now through this evening.
- * WINDS...Westerly winds of 20 to 30 mph gusting to 30 to 40 mph.
- * VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.

* IMPACTS...Difficult driving conditions, especially on any north- south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ545-547-552-556>558-560>563-130200-
/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0200Z/
New River Mesa-Rio Verde/Salt River-Superior-Tonto Basin-
Mazatzal Mountains-Pinal/Superstition Mountains-San Carlos-
Dripping Springs-Globe/Miami-Southeast Gila County-
Including the cities of Superior, Punkin Center, Sunflower,
San Carlos, Peridot, Hayden, Winkelman, Globe, and Miami
256 PM MST Thu Apr 12 2018

...WIND ADVISORY REMAINS IN EFFECT UNTIL 7 PM MST THIS EVENING...

* AFFECTED AREA...Far northeast Maricopa County and all of southern Gila County. This includes Superior, Globe, Punkin Center, and San Carlos.

* TIMING...Through this evening.

* WINDS...Westerly winds of 25 to 35 mph gusting up to 45 mph.

* IMPACTS...Difficult driving conditions, especially on any north- south oriented roads in open areas. Winds may become

enhanced in east-west valleys. Stronger winds will occur over area lakes, including Lake Roosevelt. At lower elevations, some areas of blowing dust may develop. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

&&

\$\$

IOWA STATE UNIVERSITY

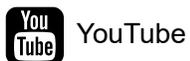
College of Ag
Department of Agronomy

Department of Agronomy

716 Farm House Ln
Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



☐

999

WWUS75 KPSR 122205

NPWPSR

URGENT - WEATHER MESSAGE

National Weather Service Phoenix AZ

305 PM MST Thu Apr 12 2018

AZZ550-130200-

/O.CON.KPSR.DS.W.0001.000000T0000Z-180413T0000Z/

/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/

/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0200Z/

South Mountain/Ahwatukee-

305 PM MST Thu Apr 12 2018

...DUST STORM WARNING REMAINS IN EFFECT UNTIL 5 PM MST THIS AFTERNOON...

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 7 PM MST THIS EVENING...

* AFFECTED AREA...The East Valley, particularly Chandler, Gilbert and Mesa.

* TIMING...Through 5 pm.

* WINDS...Westerly winds of 20 to 30 mph gusting up to 45 mph.

* VISIBILITY...Generally one half of a mile to two miles, but areas below one quarter of a mile are possible.

* IMPACTS...Difficult driving conditions, especially on any north-south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility to near zero. If you

encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ551-553-130200-

/O.CON.KPSR.DS.W.0001.000000T0000Z-180413T0000Z/

/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/

Southeast Valley/Queen Creek-Northwest Pinal County-

Including the cities of Sun Lakes, Queen Creek, Casa Grande,

Cactus Forest, Florence, and Coolidge

305 PM MST Thu Apr 12 2018

...DUST STORM WARNING REMAINS IN EFFECT UNTIL 5 PM MST THIS AFTERNOON...

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS EVENING...

* AFFECTED AREA...Portions of Pinal County including I-10.

* TIMING...Now through 5 pm.

* WINDS...Westerly winds of 20 to 30 mph gusting to 30 to 40 mph.

* VISIBILITY...Generally one half of a mile to two miles, but areas below one quarter of a mile are possible.

* IMPACTS...Difficult driving conditions, especially on any north-south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter

blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ534-537-538-540>544-546-548-130200-
 /O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
 /O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0200Z/
 Aguila Valley-Northwest Valley-Tonopah Desert-Buckeye/Avondale-
 Cave Creek/New River-Deer Valley-Central Phoenix-
 North Phoenix/Glendale-Scottsdale/Paradise Valley-East Valley-
 Including the cities of Aguila, Gladden, Wickenburg, Circle City,
 Surprise, Wittmann, Beardsley, Sun City West, Arlington,
 Hassayampa, Tonopah, Wintersburg, Avondale, Cashion, Goodyear,
 Liberty, Scottsdale, Peoria, Phoenix, Paradise Valley, Mesa,
 Chandler, Tempe, and Gilbert
 305 PM MST Thu Apr 12 2018

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 7 PM MST THIS EVENING...

* AFFECTED AREA...Northwest Maricopa County, including Wickenburg, and much of western, northern, and central Phoenix areas. Also included are Interstate 10 from Phoenix westward and Interstate 17 from Phoenix northward.

* TIMING...Through this evening.

* WINDS...Westerly winds of 20 to 30 mph gusting up to 45 mph.

* VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.

* IMPACTS...Difficult driving conditions, especially on any north-south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and

58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

&&

\$\$

AZZ530-533-CAZ560-561-569-570-130200-
/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0300Z/
Parker Valley-Central La Paz-Joshua Tree NP West-
Joshua Tree NP East-Palo Verde Valley-Chuckwalla Valley-
Including the cities of Parker, Ehrenberg, Brenda, Harcuvar,
Quartzsite, Vicksburg, Vicksburg Junction, Salome,
Cottonwood Visitor, Lost Horse-Keys Village, Martinez Lake,
Blythe, Palo Verde, Ripley, and Midland
305 PM MST Thu Apr 12 2018 /305 PM PDT Thu Apr 12 2018/

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST /8 PM
PDT/ THIS EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST /8 PM PDT/ THIS
EVENING...

* AFFECTED AREA...Much of Eastern Riverside County in California
and most of La Paz County in Arizona. This includes Blythe,
Quartzite, Joshua Tree National Park, and portions of
Interstate 10 from near Centennial west through Blythe and
toward Desert Center.

* TIMING...Through this evening.

* WINDS...Westerly winds of 25 to 35 mph gusting to 40 to 50 mph.

* VISIBILITY...Generally 1 to 5 miles, but occasionally lower
than 1 mile in isolated dust channels.

* Impacts...Difficult driving conditions, especially on any
north- south oriented roads in open areas. Reductions in
visibility due to blowing dust will result in hazardous
driving conditions. Motorists traveling along Interstate 10
are urged to exercise caution. Unsecured objects may also
become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between

30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

CAZ562-563-566-567-130200-

/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/

/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0300Z/

Imperial County Southwest-Salton Sea-Imperial County West-
Imperial Valley-

Including the cities of Mountain Spring, Desert Shores,
Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo,
Plaster City, El Centro, Calexico, Alamo, and Brawley
305 PM PDT Thu Apr 12 2018

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS
EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...

* AFFECTED AREA...Western Imperial County including the Imperial
Valley and El Centro, the Salton Sea, and portions of
Interstate 8 from El Centro west toward Ocotillo.

* TIMING...Through this evening.

* WINDS...West winds of 25 to 35 mph gusting to 40 to 50 mph.

* VISIBILITY...Generally 1 to 5 miles, but occasionally lower
than 1 mile in isolated dust channels.

* Impacts...Difficult driving conditions, especially on any
north- south oriented roads in open areas. Reductions in
visibility due to blowing dust will result in hazardous
driving conditions. Motorists traveling along Interstate 8 are
urged to exercise caution. Unsecured objects may also become

airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ531-532-535-536-539-549-554-555-559-CAZ564-565-568-130200-
/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
Kofa-Yuma-Southeast Yuma County-Gila River Valley-Gila Bend-
Fountain Hills/East Mesa-West Pinal County-
Apache Junction/Gold Canyon-Sonoran Desert Natl Monument-
Chuckwalla Mountains-Imperial County Southeast-Chiriaco Summit-
Including the cities of Palm Canyon, Yuma, Fortuna Foothills,
Ligurta, Gila Bend, Sentinel, Fountain Hills, Apache Junction,
Imperial Hot Mineral Springs, Winterhaven, and Chiriaco Summit
305 PM MST Thu Apr 12 2018 /305 PM PDT Thu Apr 12 2018/

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST /8 PM
PDT/ THIS EVENING...

- * AFFECTED AREA...Portions of Maricopa and Pinal Counties.
- * TIMING...Now through this evening.
- * WINDS...Westerly winds of 20 to 30 mph gusting to 30 to 40 mph.
- * VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.
- * IMPACTS...Difficult driving conditions, especially on any north- south oriented roads in open areas. Reductions in

visibility due to blowing dust will result in hazardous driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ545-547-552-556>558-560>563-130200-
/O.CON.KPSR.WI.Y.0010.00000T0000Z-180413T0200Z/
New River Mesa-Rio Verde/Salt River-Superior-Tonto Basin-
Mazatzal Mountains-Pinal/Superstition Mountains-San Carlos-
Dripping Springs-Globe/Miami-Southeast Gila County-
Including the cities of Superior, Punkin Center, Sunflower,
San Carlos, Peridot, Hayden, Winkelman, Globe, and Miami
305 PM MST Thu Apr 12 2018

...WIND ADVISORY REMAINS IN EFFECT UNTIL 7 PM MST THIS EVENING...

- * AFFECTED AREA...Far northeast Maricopa County and all of southern Gila County. This includes Superior, Globe, Punkin Center, and San Carlos.
- * TIMING...Through this evening.
- * WINDS...Westerly winds of 25 to 35 mph gusting up to 45 mph.
- * IMPACTS...Difficult driving conditions, especially on any north-south oriented roads in open areas. Winds may become enhanced in east-west valleys. Stronger winds will occur over area lakes, including Lake Roosevelt. At lower elevations, some areas of blowing dust may develop. Unsecured objects may

☐

966

WWUS76 KSGX 122333

NPWSGX

URGENT - WEATHER MESSAGE

National Weather Service San Diego CA

433 PM PDT Thu Apr 12 2018

CAZ055-056-058-060>062-065-130300-

/O.CON.KSGX.HW.W.0004.000000T0000Z-180413T0300Z/

San Bernardino County Mountains-Riverside County Mountains-

San Diego County Mountains-Apple and Lucerne Valleys-

Coachella Valley-San Diego County Deserts-

San Geronio Pass Near Banning-

Including the cities of Big Bear City, Wrightwood, Julian,

Victorville, Hesperia, Apple Valley, Indio, Palm Springs,

Cathedral City, Palm Desert, Palm Desert Country, La Quinta,

Coachella, Borrego Springs, and Desert Hot Springs

433 PM PDT Thu Apr 12 2018

...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...

* Winds...West 25 to 35 mph with gusts to 60 mph.

* Location...Windiest locations along the mountain ridgetops and desert mountain slopes.

* Impacts...Difficult travel, including along Interstate 15 through Cajon Pass and the Mojave Desert, Interstate 10 through San Geronio Pass and the Coachella Valley...and Interstate 8 through the mountains and deserts. In the deserts...blowing dust and sand could cause severe visibility restrictions. Watch for broken tree limbs and other debris.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A High Wind Warning means a hazardous high wind event is expected or occurring. Sustained wind speeds of at least 40 mph or gusts of 58 mph or more can lead to property damage.

&&

\$\$

Gregoria

☐

972

WWUS75 KPSR 122355

NPWPSR

URGENT - WEATHER MESSAGE

National Weather Service Phoenix AZ

455 PM MST Thu Apr 12 2018

AZZ550-130300-

/O.CAN.KPSR.DS.W.0001.000000T0000Z-180413T0000Z/

/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/

/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0200Z/

South Mountain/Ahwatukee-

455 PM MST Thu Apr 12 2018

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 7 PM MST THIS EVENING...

...DUST STORM WARNING IS CANCELLED...

The National Weather Service in Phoenix has cancelled the Dust Storm Warning.

- * AFFECTED AREA...The East Valley, particularly Chandler, Gilbert and Mesa.
- * TIMING...Through this evening.
- * WINDS...Westerly winds of 20 to 30 mph gusting up to 45 mph.
- * VISIBILITY...Generally one half of a mile to two miles, but areas below one quarter of a mile are possible.
- * IMPACTS...Difficult driving conditions, especially on any north-south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

&&

\$\$

AZZ551-130300-
/O.CAN.KPSR.DS.W.0001.000000T0000Z-180413T0000Z/
/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
Southeast Valley/Queen Creek-
Including the cities of Sun Lakes and Queen Creek
455 PM MST Thu Apr 12 2018

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS EVENING...

...DUST STORM WARNING IS CANCELLED...

The National Weather Service in Phoenix has cancelled the Dust Storm Warning.

- * AFFECTED AREA...Portions of Pinal County including I-10.
- * TIMING...Now through this evening.
- * WINDS...Westerly winds of 20 to 30 mph gusting to 30 to 40 mph.
- * VISIBILITY...Generally one half of a mile to two miles, but areas below one quarter of a mile are possible.
- * IMPACTS...Difficult driving conditions, especially on any north- south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ553-130300-

/O.EXT.KPSR.DS.W.0001.000000T0000Z-180413T0200Z/

/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/

Northwest Pinal County-

Including the cities of Casa Grande, Cactus Forest, Florence,
and Coolidge

455 PM MST Thu Apr 12 2018

...DUST STORM WARNING NOW IN EFFECT UNTIL 7 PM MST THIS EVENING...

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS
EVENING...

* AFFECTED AREA...Portions of Pinal County including I-10.

* TIMING...Now through 7 pm.

* WINDS...Westerly winds of 20 to 30 mph gusting to 30 to 40 mph.

* VISIBILITY...Generally one half of a mile to two miles, but
areas below one quarter of a mile are possible.

* IMPACTS...Difficult driving conditions, especially on any
north- south oriented roads in open areas. Reductions in
visibility due to blowing dust will result in hazardous
driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between
30 and 40 mph are expected, or wind gusts of between 40 and
58 mph. Winds this strong can make driving difficult, especially
for high profile vehicles. In addition, strong winds over desert
areas could result in briefly lowered visibilities to well under
a mile at times in blowing dust or blowing sand. Use extra
caution.

Be ready for a sudden drop in visibility. If you encounter
blowing dust or blowing sand on the roadway or see it
approaching, pull off the road as far as possible and put your
vehicle in park. Turn the lights all the way off and keep your
foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ534-537-538-540>544-546-548-130300-
/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0200Z/
Aguila Valley-Northwest Valley-Tonopah Desert-Buckeye/Avondale-
Cave Creek/New River-Deer Valley-Central Phoenix-
North Phoenix/Glendale-Scottsdale/Paradise Valley-East Valley-
Including the cities of Aguila, Gladden, Wickenburg, Circle City,
Surprise, Wittmann, Beardsley, Sun City West, Arlington,
Hassayampa, Tonopah, Wintersburg, Avondale, Cashion, Goodyear,
Liberty, Scottsdale, Peoria, Phoenix, Paradise Valley, Mesa,
Chandler, Tempe, and Gilbert
455 PM MST Thu Apr 12 2018

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS
EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 7 PM MST THIS EVENING...

* AFFECTED AREA...Northwest Maricopa County, including
Wickenburg, and much of western, northern, and central Phoenix
areas. Also included are Interstate 10 from Phoenix westward
and Interstate 17 from Phoenix northward.

* TIMING...Through this evening.

* WINDS...Westerly winds of 20 to 30 mph gusting up to 45 mph.

* VISIBILITY...Generally 1 to 5 miles, but occasionally lower
than 1 mile in isolated dust channels.

* IMPACTS...Difficult driving conditions, especially on any
north-south oriented roads in open areas. Reductions in
visibility due to blowing dust will result in hazardous
driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between
30 and 40 mph are expected, or wind gusts of between 40 and
58 mph. Winds this strong can make driving difficult, especially
for high profile vehicles. In addition, strong winds over desert
areas could result in briefly lowered visibilities to well under
a mile at times in blowing dust or blowing sand. Use extra
caution.

&&

\$\$

AZZ530-533-CAZ560-561-569-570-130300-
/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0300Z/
Parker Valley-Central La Paz-Joshua Tree NP West-
Joshua Tree NP East-Palo Verde Valley-Chuckwalla Valley-
Including the cities of Parker, Ehrenberg, Brenda, Harcuvar,
Quartzsite, Vicksburg, Vicksburg Junction, Salome,
Cottonwood Visitor, Lost Horse-Keys Village, Martinez Lake,
Blythe, Palo Verde, Ripley, and Midland
455 PM MST Thu Apr 12 2018 /455 PM PDT Thu Apr 12 2018/

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST /8 PM
PDT/ THIS EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST /8 PM PDT/ THIS
EVENING...

* AFFECTED AREA...Much of Eastern Riverside County in California
and most of La Paz County in Arizona. This includes Blythe,
Quartzite, Joshua Tree National Park, and portions of
Interstate 10 from near Centennial west through Blythe and
toward Desert Center.

* TIMING...Through this evening.

* WINDS...Westerly winds of 25 to 35 mph gusting to 40 to 50 mph.

* VISIBILITY...Generally 1 to 5 miles, but occasionally lower
than 1 mile in isolated dust channels.

* Impacts...Difficult driving conditions, especially on any
north- south oriented roads in open areas. Reductions in
visibility due to blowing dust will result in hazardous
driving conditions. Motorists traveling along Interstate 10
are urged to exercise caution. Unsecured objects may also
become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between
30 and 40 mph are expected, or wind gusts of between 40 and
58 mph. Winds this strong can make driving difficult, especially
for high profile vehicles. In addition, strong winds over desert
areas could result in briefly lowered visibilities to well under
a mile at times in blowing dust or blowing sand. Use extra
caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

CAZ562-563-566-567-130300-

/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/

/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0300Z/

Imperial County Southwest-Salton Sea-Imperial County West-
Imperial Valley-

Including the cities of Mountain Spring, Desert Shores,
Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo,
Plaster City, El Centro, Calexico, Alamorio, and Brawley
455 PM PDT Thu Apr 12 2018

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...

* AFFECTED AREA...Western Imperial County including the Imperial Valley and El Centro, the Salton Sea, and portions of Interstate 8 from El Centro west toward Ocotillo.

* TIMING...Through this evening.

* WINDS...West winds of 25 to 35 mph gusting to 40 to 50 mph.

* VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.

* Impacts...Difficult driving conditions, especially on any north-south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Motorists traveling along Interstate 8 are urged to exercise caution. Unsecured objects may also become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and

58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ531-532-535-536-539-549-554-555-559-CAZ564-565-568-130300-
/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/

Kofa-Yuma-Southeast Yuma County-Gila River Valley-Gila Bend-Fountain Hills/East Mesa-West Pinal County-Apache Junction/Gold Canyon-Sonoran Desert Natl Monument-Chuckwalla Mountains-Imperial County Southeast-Chiriaco Summit-Including the cities of Palm Canyon, Yuma, Fortuna Foothills, Ligurta, Gila Bend, Sentinel, Fountain Hills, Apache Junction, Imperial Hot Mineral Springs, Winterhaven, and Chiriaco Summit
455 PM MST Thu Apr 12 2018 /455 PM PDT Thu Apr 12 2018/

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST /8 PM PDT/ THIS EVENING...

- * AFFECTED AREA...Portions of Maricopa and Pinal Counties.
- * TIMING...Now through this evening.
- * WINDS...Westerly winds of 20 to 30 mph gusting to 30 to 40 mph.
- * VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.
- * IMPACTS...Difficult driving conditions, especially on any north- south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between

30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ545-547-552-556>558-560>563-130200-
/O.CON.KPSR.WI.Y.0010.00000T0000Z-180413T0200Z/
New River Mesa-Rio Verde/Salt River-Superior-Tonto Basin-
Mazatzal Mountains-Pinal/Superstition Mountains-San Carlos-
Dripping Springs-Globe/Miami-Southeast Gila County-
Including the cities of Superior, Punkin Center, Sunflower,
San Carlos, Peridot, Hayden, Winkelman, Globe, and Miami
455 PM MST Thu Apr 12 2018

...WIND ADVISORY REMAINS IN EFFECT UNTIL 7 PM MST THIS EVENING...

- * AFFECTED AREA...Far northeast Maricopa County and all of southern Gila County. This includes Superior, Globe, Punkin Center, and San Carlos.
- * TIMING...Through this evening.
- * WINDS...Westerly winds of 25 to 35 mph gusting up to 45 mph.
- * IMPACTS...Difficult driving conditions, especially on any north-south oriented roads in open areas. Winds may become enhanced in east-west valleys. Stronger winds will occur over area lakes, including Lake Roosevelt. At lower elevations, some areas of blowing dust may develop. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and

58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

&&

\$\$

IOWA STATE UNIVERSITY

College of Ag
Department of Agronomy

Department of Agronomy

716 Farm House Ln
Ames, IA 50011

akrherz@iastate.edu
515-294-5978 phone



Copyright © 2001-2019
Iowa State University
of Science and Technology
All rights reserved.

☐

513

WWUS75 KPSR 130124

[See below about 4th page for Imperial County](#)

NPWPSR

URGENT - WEATHER MESSAGE

National Weather Service Phoenix AZ

624 PM MST Thu Apr 12 2018

AZZ553-130300-

/O.CAN.KPSR.DS.W.0001.000000T0000Z-180413T0200Z/

/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/

Northwest Pinal County-

Including the cities of Casa Grande, Cactus Forest, Florence,
and Coolidge

624 PM MST Thu Apr 12 2018

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS
EVENING...

...DUST STORM WARNING IS CANCELLED...

The National Weather Service in Phoenix has cancelled the Dust
Storm Warning.

- * AFFECTED AREA...Portions of Pinal County including I-10.
- * TIMING...Blowing Dust Advisory remains in effect through 8 PM.
- * WINDS...Westerly winds of 20 to 30 mph gusting to 30 to 40 mph.
- * VISIBILITY...Generally one half of a mile to two miles, but
areas below one quarter of a mile are possible.
- * IMPACTS...Difficult driving conditions, especially on any
north- south oriented roads in open areas. Reductions in
visibility due to blowing dust will result in hazardous
driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Be ready for a sudden drop in visibility. If you encounter
blowing dust or blowing sand on the roadway or see it
approaching, pull off the road as far as possible and put your
vehicle in park. Turn the lights all the way off and keep your
foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ534-537-538-540>544-546-548-550-130300-
/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0200Z/
Aguila Valley-Northwest Valley-Tonopah Desert-Buckeye/Avondale-
Cave Creek/New River-Deer Valley-Central Phoenix-
North Phoenix/Glendale-Scottsdale/Paradise Valley-East Valley-
South Mountain/Ahwatukee-
Including the cities of Aguila, Gladden, Wickenburg, Circle City,
Surprise, Wittmann, Beardsley, Sun City West, Arlington,
Hassayampa, Tonopah, Wintersburg, Avondale, Cashion, Goodyear,
Liberty, Scottsdale, Peoria, Phoenix, Paradise Valley, Mesa,
Chandler, Tempe, and Gilbert
624 PM MST Thu Apr 12 2018

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS
EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 7 PM MST THIS EVENING...

* AFFECTED AREA...Northwest Maricopa County, including
Wickenburg, and much of western, northern, and central Phoenix
areas. Also included are Interstate 10 from Phoenix westward
and Interstate 17 from Phoenix northward.

* TIMING...Through this evening.

* WINDS...Westerly winds of 20 to 30 mph gusting up to 45 mph.

* VISIBILITY...Generally 1 to 5 miles, but occasionally lower
than 1 mile in isolated dust channels.

* IMPACTS...Difficult driving conditions, especially on any
north-south oriented roads in open areas. Reductions in
visibility due to blowing dust will result in hazardous
driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between
30 and 40 mph are expected, or wind gusts of between 40 and
58 mph. Winds this strong can make driving difficult, especially
for high profile vehicles. In addition, strong winds over desert
areas could result in briefly lowered visibilities to well under
a mile at times in blowing dust or blowing sand. Use extra
caution.

&&

\$\$

AZZ530-533-CAZ560-561-569-570-130300-
/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0300Z/
Parker Valley-Central La Paz-Joshua Tree NP West-
Joshua Tree NP East-Palo Verde Valley-Chuckwalla Valley-
Including the cities of Parker, Ehrenberg, Brenda, Harcuvar,
Quartzsite, Vicksburg, Vicksburg Junction, Salome,
Cottonwood Visitor, Lost Horse-Keys Village, Martinez Lake,
Blythe, Palo Verde, Ripley, and Midland
624 PM MST Thu Apr 12 2018 /624 PM PDT Thu Apr 12 2018/

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST /8 PM
PDT/ THIS EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST /8 PM PDT/ THIS
EVENING...

* AFFECTED AREA...Much of Eastern Riverside County in California
and most of La Paz County in Arizona. This includes Blythe,
Quartzite, Joshua Tree National Park, and portions of
Interstate 10 from near Centennial west through Blythe and
toward Desert Center.

* TIMING...Through this evening.

* WINDS...Westerly winds of 25 to 35 mph gusting to 40 to 50 mph.

* VISIBILITY...Generally 1 to 5 miles, but occasionally lower
than 1 mile in isolated dust channels.

* Impacts...Difficult driving conditions, especially on any
north- south oriented roads in open areas. Reductions in
visibility due to blowing dust will result in hazardous
driving conditions. Motorists traveling along Interstate 10
are urged to exercise caution. Unsecured objects may also
become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between
30 and 40 mph are expected, or wind gusts of between 40 and
58 mph. Winds this strong can make driving difficult, especially
for high profile vehicles. In addition, strong winds over desert
areas could result in briefly lowered visibilities to well under
a mile at times in blowing dust or blowing sand. Use extra
caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

CAZ562-563-566-567-130300-

/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/

/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0300Z/

Imperial County Southwest-Salton Sea-Imperial County West-
Imperial Valley-

Including the cities of Mountain Spring, Desert Shores,
Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo,
Plaster City, El Centro, Calexico, Alamorio, and Brawley
624 PM PDT Thu Apr 12 2018

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS
EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...

* AFFECTED AREA...Western Imperial County including the Imperial
Valley and El Centro, the Salton Sea, and portions of
Interstate 8 from El Centro west toward Ocotillo.

* TIMING...Through this evening.

* WINDS...West winds of 25 to 35 mph gusting to 40 to 50 mph.

* VISIBILITY...Generally 1 to 5 miles, but occasionally lower
than 1 mile in isolated dust channels.

* Impacts...Difficult driving conditions, especially on any
north- south oriented roads in open areas. Reductions in
visibility due to blowing dust will result in hazardous
driving conditions. Motorists traveling along Interstate 8 are
urged to exercise caution. Unsecured objects may also become
airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between
30 and 40 mph are expected, or wind gusts of between 40 and

58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ531-532-535-536-539-549-551-554-555-559-CAZ564-565-568-130300-
/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/

Kofa-Yuma-Southeast Yuma County-Gila River Valley-Gila Bend-
Fountain Hills/East Mesa-Southeast Valley/Queen Creek-
West Pinal County-Apache Junction/Gold Canyon-
Sonoran Desert Natl Monument-Chuckwalla Mountains-
Imperial County Southeast-Chiriaco Summit-
Including the cities of Palm Canyon, Yuma, Fortuna Foothills,
Ligurta, Gila Bend, Sentinel, Fountain Hills, Sun Lakes,
Queen Creek, Apache Junction, Imperial Hot Mineral Springs,
Winterhaven, and Chiriaco Summit

624 PM MST Thu Apr 12 2018 /624 PM PDT Thu Apr 12 2018/

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST /8 PM
PDT/ THIS EVENING...

- * AFFECTED AREA...Portions of Maricopa and Pinal Counties.
- * TIMING...Now through this evening.
- * WINDS...Westerly winds of 20 to 30 mph gusting to 30 to 40 mph.
- * VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.
- * IMPACTS...Difficult driving conditions, especially on any north- south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ545-547-552-556>558-560>563-130230-
/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0200Z/
New River Mesa-Rio Verde/Salt River-Superior-Tonto Basin-
Mazatzal Mountains-Pinal/Superstition Mountains-San Carlos-
Dripping Springs-Globe/Miami-Southeast Gila County-
Including the cities of Superior, Punkin Center, Sunflower,
San Carlos, Peridot, Hayden, Winkelman, Globe, and Miami
624 PM MST Thu Apr 12 2018

...WIND ADVISORY REMAINS IN EFFECT UNTIL 7 PM MST THIS EVENING...

- * AFFECTED AREA...Far northeast Maricopa County and all of southern Gila County. This includes Superior, Globe, Punkin Center, and San Carlos.
- * TIMING...Through this evening.
- * WINDS...Westerly winds of 25 to 35 mph gusting up to 45 mph.
- * IMPACTS...Difficult driving conditions, especially on any north-south oriented roads in open areas. Winds may become enhanced in east-west valleys. Stronger winds will occur over area lakes, including Lake Roosevelt. At lower elevations, some areas of blowing dust may develop. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

&&

\$\$

IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

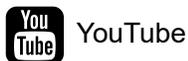
Department of Agronomy

716 Farm House Ln

Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



☐

240

WWUS75 KPSR 130200

NPWPSR

URGENT - WEATHER MESSAGE

National Weather Service Phoenix AZ

700 PM MST Thu Apr 12 2018

AZZ534-537-538-540>544-546-548-550-130300-

/O.EXP.KPSR.WI.Y.0010.000000T0000Z-180413T0200Z/

/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/

Aguila Valley-Northwest Valley-Tonopah Desert-Buckeye/Avondale-

Cave Creek/New River-Deer Valley-Central Phoenix-

North Phoenix/Glendale-Scottsdale/Paradise Valley-East Valley-

South Mountain/Ahwatukee-

Including the cities of Aguila, Gladden, Wickenburg, Circle City,

Surprise, Wittmann, Beardsley, Sun City West, Arlington,

Hassayampa, Tonopah, Wintersburg, Avondale, Cashion, Goodyear,

Liberty, Scottsdale, Peoria, Phoenix, Paradise Valley, Mesa,

Chandler, Tempe, and Gilbert

700 PM MST Thu Apr 12 2018

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST THIS EVENING...

...WIND ADVISORY WILL EXPIRE AT 7 PM MST THIS EVENING...

* AFFECTED AREA...Northwest Maricopa County, including Wickenburg, and much of western, northern, and central Phoenix areas. Also included are Interstate 10 from Phoenix westward and Interstate 17 from Phoenix northward.

* TIMING...Through this evening.

* WINDS...Westerly winds of 20 to 30 mph gusting up to 45 mph.

* VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.

* IMPACTS...Difficult driving conditions, especially on any north-south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it

approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ545-547-552-556>558-560>563-130300-
/O.EXP.KPSR.WI.Y.0010.000000T0000Z-180413T0200Z/
New River Mesa-Rio Verde/Salt River-Superior-Tonto Basin-
Mazatzal Mountains-Pinal/Superstition Mountains-San Carlos-
Dripping Springs-Globe/Miami-Southeast Gila County-
Including the cities of Superior, Punkin Center, Sunflower,
San Carlos, Peridot, Hayden, Winkelman, Globe, and Miami
700 PM MST Thu Apr 12 2018

...WIND ADVISORY WILL EXPIRE AT 7 PM MST THIS EVENING...

Winds are gradually weakening across the area, but gusty winds to 30 mph will remain possible with areas of blowing dust.

\$\$

AZZ530-533-CAZ560-561-569-570-130300-
/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0300Z/
Parker Valley-Central La Paz-Joshua Tree NP West-
Joshua Tree NP East-Palo Verde Valley-Chuckwalla Valley-
Including the cities of Parker, Ehrenberg, Brenda, Harcuvar,
Quartzsite, Vicksburg, Vicksburg Junction, Salome,
Cottonwood Visitor, Lost Horse-Keys Village, Martinez Lake,
Blythe, Palo Verde, Ripley, and Midland
700 PM MST Thu Apr 12 2018 /700 PM PDT Thu Apr 12 2018/

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST /8 PM PDT/ THIS EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST /8 PM PDT/ THIS EVENING...

* AFFECTED AREA...Much of Eastern Riverside County in California and most of La Paz County in Arizona. This includes Blythe, Quartzite, Joshua Tree National Park, and portions of Interstate 10 from near Centennial west through Blythe and toward Desert Center.

* TIMING...Through this evening.

* WINDS...Westerly winds of 25 to 35 mph gusting to 40 to 50 mph.

* VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.

* Impacts...Difficult driving conditions, especially on any north- south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Motorists traveling along Interstate 10 are urged to exercise caution. Unsecured objects may also become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

CAZ562-563-566-567-130300-
/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
/O.CON.KPSR.WI.Y.0010.000000T0000Z-180413T0300Z/

Imperial County Southwest-Salton Sea-Imperial County West-
Imperial Valley-

Including the cities of Mountain Spring, Desert Shores,
Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo,
Plaster City, El Centro, Calexico, Alamorio, and Brawley
700 PM PDT Thu Apr 12 2018

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS
EVENING...

...WIND ADVISORY REMAINS IN EFFECT UNTIL 8 PM PDT THIS EVENING...

- * AFFECTED AREA...Western Imperial County including the Imperial Valley and El Centro, the Salton Sea, and portions of Interstate 8 from El Centro west toward Ocotillo.
- * TIMING...Through this evening.
- * WINDS...West winds of 25 to 35 mph gusting to 40 to 50 mph.
- * VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.
- * Impacts...Difficult driving conditions, especially on any north- south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Motorists traveling along Interstate 8 are urged to exercise caution. Unsecured objects may also become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ531-532-535-536-539-549-551-553>555-559-CAZ564-565-568-130300-
/O.CON.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/
Kofa-Yuma-Southeast Yuma County-Gila River Valley-Gila Bend-
Fountain Hills/East Mesa-Southeast Valley/Queen Creek-
Northwest Pinal County-West Pinal County-
Apache Junction/Gold Canyon-Sonoran Desert Natl Monument-
Chuckwalla Mountains-Imperial County Southeast-Chiriaco Summit-
Including the cities of Palm Canyon, Yuma, Fortuna Foothills,
Ligurta, Gila Bend, Sentinel, Fountain Hills, Sun Lakes,

Queen Creek, Casa Grande, Cactus Forest, Florence, Coolidge,
Apache Junction, Imperial Hot Mineral Springs, Winterhaven,
and Chiriaco Summit

700 PM MST Thu Apr 12 2018 /700 PM PDT Thu Apr 12 2018/

...BLOWING DUST ADVISORY REMAINS IN EFFECT UNTIL 8 PM MST /8 PM
PDT/ THIS EVENING...

- * AFFECTED AREA...Portions of Maricopa and Pinal Counties.
- * TIMING...Now through this evening.
- * WINDS...Westerly winds of 20 to 30 mph gusting to 30 to 40 mph.
- * VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.
- * IMPACTS...Difficult driving conditions, especially on any north- south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

☐

556

WWUS76 KSGX 130256

NPWSGX

URGENT - WEATHER MESSAGE

National Weather Service San Diego CA

756 PM PDT Thu Apr 12 2018

CAZ055-056-058-060>062-065-130400-

/O.EXP.KSGX.HW.W.0004.000000T0000Z-180413T0300Z/

San Bernardino County Mountains-Riverside County Mountains-

San Diego County Mountains-Apple and Lucerne Valleys-

Coachella Valley-San Diego County Deserts-

San Geronio Pass Near Banning-

Including the cities of Big Bear City, Wrightwood, Julian,

Victorville, Hesperia, Apple Valley, Indio, Palm Springs,

Cathedral City, Palm Desert, Palm Desert Country, La Quinta,

Coachella, Borrego Springs, and Desert Hot Springs

756 PM PDT Thu Apr 12 2018

...HIGH WIND WARNING WILL EXPIRE AT 8 PM PDT THIS EVENING...

Winds will continue to subside across the mountains and deserts tonight. As such, the High Wind Warning will be allowed to expire at 8 PM.

\$\$

Gregoria

IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

Department of Agronomy

716 Farm House Ln

Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone

☐

625

WWUS75 KPSR 130259

NPWPSR

URGENT - WEATHER MESSAGE

National Weather Service Phoenix AZ

759 PM MST Thu Apr 12 2018

CAZ560-561-130400-

/O.CAN.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/

/O.EXP.KPSR.WI.Y.0010.000000T0000Z-180413T0300Z/

Joshua Tree NP West-Joshua Tree NP East-

Including the cities of Cottonwood Visitor and Lost Horse-Keys

Village

759 PM PDT Thu Apr 12 2018

...BLOWING DUST ADVISORY IS CANCELLED...

...WIND ADVISORY WILL EXPIRE AT 8 PM PDT THIS EVENING...

The National Weather Service in Phoenix has cancelled the Blowing Dust Advisory.

Improvements in visibility have been occurring amidst gradually weakening winds this evening. Localized blowing dust below 5 miles may still occur in places, but the threat for dense blowing dust appears to have ended this evening.

\$\$

CAZ562-563-566-567-130400-

/O.CAN.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/

/O.EXP.KPSR.WI.Y.0010.000000T0000Z-180413T0300Z/

Imperial County Southwest-Salton Sea-Imperial County West-

Imperial Valley-

Including the cities of Mountain Spring, Desert Shores, Coolidge Springs, Salton City, Winona, Coyote Wells, Ocotillo, Plaster City, El Centro, Calexico, Alamorio, and Brawley

759 PM PDT Thu Apr 12 2018

...BLOWING DUST ADVISORY IS CANCELLED...

...WIND ADVISORY WILL EXPIRE AT 8 PM PDT THIS EVENING...

The National Weather Service in Phoenix has cancelled the Blowing Dust Advisory.

Improvements in visibility have been occurring amidst gradually weakening winds this evening. Localized blowing dust below 5 miles

may still occur in places, but the threat for dense blowing dust appears to have ended this evening.

\$\$

AZZ534-535-537>544-546-548>551-553>555-559-CAZ568-130400-
/O.CAN.KPSR.DU.Y.0007.000000T0000Z-180413T0300Z/

Aguila Valley-Southeast Yuma County-Northwest Valley-
Tonopah Desert-Gila Bend-Buckeye/Avondale-Cave Creek/New River-
Deer Valley-Central Phoenix-North Phoenix/Glendale-
Scottsdale/Paradise Valley-East Valley-Fountain Hills/East Mesa-
South Mountain/Ahwatukee-Southeast Valley/Queen Creek-
Northwest Pinal County-West Pinal County-
Apache Junction/Gold Canyon-Sonoran Desert Natl Monument-
Chiriaco Summit-

Including the cities of Aguila, Gladden, Wickenburg, Circle City,
Surprise, Wittmann, Beardsley, Sun City West, Arlington,
Hassayampa, Tonopah, Wintersburg, Gila Bend, Sentinel, Avondale,
Cashion, Goodyear, Liberty, Scottsdale, Peoria, Phoenix,
Paradise Valley, Mesa, Chandler, Tempe, Gilbert, Fountain Hills,
Sun Lakes, Queen Creek, Casa Grande, Cactus Forest, Florence,
Coolidge, Apache Junction, and Chiriaco Summit

759 PM MST Thu Apr 12 2018 /759 PM PDT Thu Apr 12 2018/

...BLOWING DUST ADVISORY IS CANCELLED...

The National Weather Service in Phoenix has cancelled the Blowing
Dust Advisory.

Improvements in visibility have been occurring amidst gradually
weakening winds this evening. Localized blowing dust below 5 miles
may still occur in places, but the threat for dense blowing dust
appears to have ended this evening.

\$\$

AZZ530-533-CAZ569-570-130500-
/O.EXP.KPSR.WI.Y.0010.000000T0000Z-180413T0300Z/
/O.EXT.KPSR.DU.Y.0007.000000T0000Z-180413T0500Z/

Parker Valley-Central La Paz-Palo Verde Valley-Chuckwalla Valley-
Including the cities of Parker, Ehrenberg, Brenda, Harcuvar,
Quartzsite, Vicksburg, Vicksburg Junction, Salome, Martinez Lake,
Blythe, Palo Verde, Ripley, and Midland

759 PM MST Thu Apr 12 2018 /759 PM PDT Thu Apr 12 2018/

...BLOWING DUST ADVISORY NOW IN EFFECT UNTIL 10 PM MST /10 PM
PDT/ THIS EVENING...

...WIND ADVISORY WILL EXPIRE AT 8 PM MST /8 PM PDT/ THIS
EVENING...

* AFFECTED AREA...Much of Eastern Riverside County in California and most of La Paz County in Arizona. This includes Blythe, Quartzite, Joshua Tree National Park, and portions of Interstate 10 from near Centennial west through Blythe and toward Desert Center.

* TIMING...Now through 10 PM.

* WINDS...Westerly winds of 25 to 35 mph gusting to 40 to 50 mph.

* VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.

* Impacts...Difficult driving conditions, especially on any north- south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Motorists traveling along Interstate 10 are urged to exercise caution. Unsecured objects may also become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

AZZ531-532-536-CAZ564-565-130500-
/O.EXT.KPSR.DU.Y.0007.000000T0000Z-180413T0500Z/

Kofa-Yuma-Gila River Valley-Chuckwalla Mountains-
Imperial County Southeast-
Including the cities of Palm Canyon, Yuma, Fortuna Foothills,
Ligurta, Imperial Hot Mineral Springs, and Winterhaven
759 PM MST Thu Apr 12 2018 /759 PM PDT Thu Apr 12 2018/

...BLOWING DUST ADVISORY NOW IN EFFECT UNTIL 10 PM MST /10 PM
PDT/ THIS EVENING...

* AFFECTED AREA...Portions of Maricopa and Pinal Counties.

* TIMING...Now through 10 PM.

- * WINDS...Westerly winds of 20 to 30 mph gusting to 30 to 40 mph.
- * VISIBILITY...Generally 1 to 5 miles, but occasionally lower than 1 mile in isolated dust channels.
- * IMPACTS...Difficult driving conditions, especially on any north- south oriented roads in open areas. Reductions in visibility due to blowing dust will result in hazardous driving conditions. Unsecured objects may become airborne.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Wind Advisory means that sustained wind speeds of between 30 and 40 mph are expected, or wind gusts of between 40 and 58 mph. Winds this strong can make driving difficult, especially for high profile vehicles. In addition, strong winds over desert areas could result in briefly lowered visibilities to well under a mile at times in blowing dust or blowing sand. Use extra caution.

Be ready for a sudden drop in visibility. If you encounter blowing dust or blowing sand on the roadway or see it approaching, pull off the road as far as possible and put your vehicle in park. Turn the lights all the way off and keep your foot off the brake pedal.

Remember, pull aside, stay alive.

&&

\$\$

IOWA STATE UNIVERSITY

College of Ag
Department of Agronomy

Department of Agronomy
716 Farm House Ln
Ames, IA 50011

☐

372

FXUS65 KPSR 130309

AFDPSR

Area Forecast Discussion

National Weather Service Phoenix AZ

809 PM MST Thu Apr 12 2018

.SYNOPSIS...

A strong but dry weather system will move across the region tonight into early Friday ushering in windy and significantly cooler conditions through Saturday. Increasing high pressure and a rebound in temperatures is expected for Sunday and Monday with highs back into the upper 80s to lower 90s. Another weak weather system will mainly pass to the north late next Monday and Tuesday allowing for a return of windy conditions and another drop in temperatures into the middle of next week.

&&

.DISCUSSION...

A widespread blowing dust event across much of Arizona and southeast California appears to be winding down. Surface wind speeds have shown a gradually weakening trend at area observation sites, coinciding with general improvements in visibilities. Still can't rule out some localized dense blowing dust through the late evening, but the continued weakening trend expected in wind speeds should result in this becoming less common with time. One exception will be across southeast California and southwest Arizona, where relatively strong northwest winds continue to support plumes of denser blowing dust moving southeastward. Expect this to also die down with time, but enough dust remains to warrant extension of the Blowing Dust Advisory until 10 PM MST for these areas. The threat for critical fire weather conditions will also subside late this evening, with the Red Flag Warning set to expire at 9 PM MST area-wide.

Elevated fire weather conditions may continue in some localized areas where winds remain modestly strong, before critical fire weather conditions are forecast to develop once again on Friday across most lower elevation areas of southwest and south-central Arizona. Otherwise, the cooling trend looks to continue into Friday, with highs still expected to be around 5 degrees below normal at most locations.

&&

.PREVIOUS DISCUSSION...

The trough will continue to the east tonight, but the back side will linger across eastern Arizona through Friday morning. The pressure gradient will relax somewhat into Friday, but northwesterly gusts during the daytime hours Friday will likely exceed 30-35 mph at times, just below advisory level. Further drying into Friday will lead to dangerously low humidities by the afternoon with readings falling down to near 5%. The very dry conditions and gusty winds will again lead to Red Flag conditions over much of Arizona for Friday afternoon and early evening. Temperatures will drop even further on Friday with highs only reaching into the upper 70s to near 80 over the deserts (5-7 degrees below normal).

Starting Saturday, the trough will have moved far enough east to allow for ridging to take over across the Desert Southwest and for winds to diminish. The increasing heights aloft will give rise to warming conditions as highs again reach to near normal readings on Saturday. The ridge axis passes through the region Saturday night and Sunday, so Sunday still looks to be the warmest day of the period with highs into the lower 90s over much of the deserts.

Another significant dry Pacific trough is forecast to move onshore Monday, eventually moving into the Great Basin and the Desert Southwest on Tuesday. Monday again looks to be warm with highs only a few degrees lower than Sunday. The approaching trough will also lead to breezy to windy conditions Monday, but for now winds seem to fall just short of advisory criteria. A dry cold front should pass through the region early Tuesday allowing for highs to only reach to around 80 degrees. Slight recovery is anticipated through the middle of next week with temperatures climbing back to around normals, but it may not last long as we face the potential of another Pacific low for late next week. This trough has better potential for moving directly through the Desert Southwest, and if it would, it would bring a return to rain chances.

&&

.AVIATION...

South-Central Arizona including KPHX, KIWA, and KSDL:
Winds have already shifted to the southwest late this morning with widespread gusts nearing 25kt. Even stronger WSW gusts in a 30-40kt range will be likely late this afternoon and evening. Suspended dust will impact slantwise visibilities with some chance of even lower MVFR visibilities, especially at KIWA. Strong winds will persist through the evening and overnight impacting the evening high volume period at KPHX.

Wind speeds will weaken somewhat early Friday morning with a tendency to become more NNW or even due north. Given the terrain influence, KPHX may see periods of high variability in direction around sunrise. Gusts in a 20-30kt range will resume late Friday morning.

Southeast California/Southwest Arizona including KIPL and KBLH: Gusty winds will persist into the evening with copious amounts of suspended dust impacting slantwise visibilities, and locally MVFR visibility restrictions due to BLDU. Some weakening in the gusts will occur overnight, but likely not completely abate. However, enough weakening will occur to improve BLDU. Stronger wind gusts will likely resume again by early Friday afternoon.

Aviation Discussion not updated for amended TAFs.

&&

.FIRE WEATHER...

Saturday through Wednesday...

High pressure builds over the Desert SW for Saturday and Sunday allowing winds to become relatively light over the weekend.

Temperatures will also rebound with highs near 90 for the lower deserts by Sunday. Another dry weather system will move in on Monday bringing yet more wind to our entire area. At this point an elevated fire weather threat will most certainly exist on Monday, especially in SE California, but it is not clear if we will hit critical fire weather thresholds. Cooler weather and light winds will move in behind this system on Tuesday although conditions will still remain very dry.

&&

.SPOTTER INFORMATION STATEMENT...

Spotter activation will not be needed this week.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...Red Flag Warning until 9 PM MST this evening for AZZ131>133.

Red Flag Warning from 11 AM to 7 PM MST Friday for AZZ132.

Blowing Dust Advisory until 10 PM MST this evening for AZZ530>533-536.

CA...Red Flag Warning until 9 PM PDT this evening for CAZ230>232.

Blowing Dust Advisory until 10 PM PDT this evening for CAZ564-

565-569-570.

&&

\$\$

DISCUSSION...Rogers

PREVIOUS DISCUSSION...Kuhlman

AVIATION...MO

FIRE WEATHER...Iniguez/Hirsch

IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

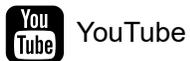
Department of Agronomy

716 Farm House Ln

Ames, IA 50011

akrherz@iastate.edu

515-294-5978 phone



☐

037

FXUS65 KPSR 130347 AAA

AFDPSR

Area Forecast Discussion

National Weather Service Phoenix AZ

850 PM MST Thu Apr 12 2018

...Updated Aviation Discussion...

.SYNOPSIS...

A strong but dry weather system will move across the region tonight into early Friday ushering in windy and significantly cooler conditions through Saturday. Increasing high pressure and a rebound in temperatures is expected for Sunday and Monday with highs back into the upper 80s to lower 90s. Another weak weather system will mainly pass to the north late next Monday and Tuesday allowing for a return of windy conditions and another drop in temperatures into the middle of next week.

&&

.DISCUSSION...

A widespread blowing dust event across much of Arizona and southeast California appears to be winding down. Surface wind speeds have shown a gradually weakening trend at area observation sites, coinciding with general improvements in visibilities. Still can't rule out some localized dense blowing dust through the late evening, but the continued weakening trend expected in wind speeds should result in this becoming less common with time. One exception will be across southeast California and southwest Arizona, where relatively strong northwest winds continue to support plumes of denser blowing dust moving southeastward. Expect this to also die down with time, but enough dust remains to warrant extension of the Blowing Dust Advisory until 10 PM MST for these areas. The threat for critical fire weather conditions will also subside late this evening, with the Red Flag Warning set to expire at 9 PM MST area-wide.

Elevated fire weather conditions may continue in some localized areas where winds remain modestly strong, before critical fire weather conditions are forecast to develop once again on Friday across most lower elevation areas of southwest and south-central Arizona. Otherwise, the cooling trend looks to continue into Friday, with highs still expected to be around 5 degrees below normal at most locations.

&&

.PREVIOUS DISCUSSION...

The trough will continue to the east tonight, but the back side will linger across eastern Arizona through Friday morning. The pressure gradient will relax somewhat into Friday, but northwesterly gusts during the daytime hours Friday will likely exceed 30-35 mph at times, just below advisory level. Further drying into Friday will lead to dangerously low humidities by the afternoon with readings falling down to near 5%. The very dry conditions and gusty winds will again lead to Red Flag conditions over much of Arizona for Friday afternoon and early evening. Temperatures will drop even further on Friday with highs only reaching into the upper 70s to near 80 over the deserts (5-7 degrees below normal).

Starting Saturday, the trough will have moved far enough east to allow for ridging to take over across the Desert Southwest and for winds to diminish. The increasing heights aloft will give rise to warming conditions as highs again reach to near normal readings on Saturday. The ridge axis passes through the region Saturday night and Sunday, so Sunday still looks to be the warmest day of the period with highs into the lower 90s over much of the deserts.

Another significant dry Pacific trough is forecast to move onshore Monday, eventually moving into the Great Basin and the Desert Southwest on Tuesday. Monday again looks to be warm with highs only a few degrees lower than Sunday. The approaching trough will also lead to breezy to windy conditions Monday, but for now winds seem to fall just short of advisory criteria. A dry cold front should pass through the region early Tuesday allowing for highs to only reach to around 80 degrees. Slight recovery is anticipated through the middle of next week with temperatures climbing back to around normals, but it may not last long as we face the potential of another Pacific low for late next week. This trough has better potential for moving directly through the Desert Southwest, and if it would, it would bring a return to rain chances.

&&

.AVIATION...

South-Central Arizona including KPHX, KIWA, and KSDL:

Strong winds that have been affecting the region today are now slowly diminishing this evening as nighttime cooling takes effect. However, gusty winds are expected to persist through the night as winds aloft remain quite strong (30-40kts at 2-3k feet) as they become more northerly with time. Gusts in a 20-30kt range will resume late

Friday morning, with these winds continuing into the early evening hours. Although additional reductions in sfc visibilities are not likely, leftover lofted dust will continue to create slant visibility issues into Friday. Very dry air moving into the region will keep skies clear through the taf period.

Southeast California/Southwest Arizona including KIPL and KBLH:

Strong winds that have been affecting KIPL today are now slowly diminishing this evening as nighttime cooling takes effect. However, breezy-gusty westerly winds are expected to persist through the night as winds aloft remain quite strong (30-40kts at 2-3k feet) as they become more northerly with time. Gusts in a 20-25kt range will resume late Friday morning, with these winds continuing into the early evening hours. Although additional reductions in sfc visibilities are not likely, leftover lofted dust will continue to create slant visibility issues.

Gusty northerly winds are expected to continue at KBLH through the rest of tonight, although speeds are expected to diminish later tonight before increasing again (gusts in the 25-35kt range) Friday afternoon. Some minor blowing dust issues could continue until around midnight, with these issues returning Friday afternoon as the winds increase once again. Leftover lofted dust will continue to create slant visibility issues through the taf period as well.

Aviation Discussion not updated for amended TAFs.

&&

.FIRE WEATHER...

Saturday through Wednesday...

High pressure builds over the Desert SW for Saturday and Sunday allowing winds to become relatively light over the weekend.

Temperatures will also rebound with highs near 90 for the lower deserts by Sunday. Another dry weather system will move in on Monday bringing yet more wind to our entire area. At this point an elevated fire weather threat will most certainly exist on Monday, especially in SE California, but it is not clear if we will hit critical fire weather thresholds. Cooler weather and light winds will move in behind this system on Tuesday although conditions will still remain very dry.

&&

.SPOTTER INFORMATION STATEMENT...

Spotter activation will not be needed this week.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...
AZ...Red Flag Warning until 9 PM MST this evening for AZZ131>133.

Red Flag Warning from 11 AM to 7 PM MST Friday for AZZ132.

Blowing Dust Advisory until 10 PM MST this evening for
AZZ530>533-536.

CA...Red Flag Warning until 9 PM PDT this evening for CAZ230>232.

Blowing Dust Advisory until 10 PM PDT this evening for CAZ564-
565-569-570.

&&

\$\$

DISCUSSION...Rogers
PREVIOUS DISCUSSION...Kuhlman
AVIATION...Percha
FIRE WEATHER...Iniguez/Hirsch

IOWA STATE UNIVERSITY

College of Ag
Department of Agronomy

Department of Agronomy

716 Farm House Ln
Ames, IA 50011

akrherz@iastate.edu
515-294-5978 phone



☐

761

FXUS66 KSGX 130400

AFDSGX

Area Forecast Discussion

National Weather Service San Diego CA

900 PM PDT Thu Apr 12 2018

.SYNOPSIS...

An upper level trough will move into AZ and NM tonight with winds lightening. It will be cooler tonight as drier air invades the region under mostly clear skies, then will turn warmer into the weekend under weak high pressure and offshore flow. Winds turn back onshore Sunday in advance of another Pacific trough. Cooling will begin over coastal areas and spread inland through Tuesday as strong westerly winds redevelop over the mountains and deserts.

&&

.DISCUSSION...FOR EXTREME SOUTHWESTERN CALIFORNIA INCLUDING ORANGE...
SAN DIEGO...WESTERN RIVERSIDE AND SOUTHWESTERN SAN BERNARDINO
COUNTIES...

...Update...

Winds are lessening across the area overall with just a few spots such as Whitewater that are blowing strong. However, the trend will be for lessening wind and so the High Wind Warning was allowed to expire at 8 PM. A tranquil and chilly night is forecast.

Santa Ana winds will develop and become briefly gusty through and below the Cajon Pass and parts of inland OC near the Santa Anas. Gusts of 30-40 mph are projected across these locales late tonight-early Friday morning before subsiding. The offshore northeasterly wind flow will warm temps west of the mountains some 10-15F degrees compared to highs achieved today. See previous discussion below for further forecast details.

...Previous Discussion (Issued at 154 PM PDT Thu Apr 12 2018)...

Upper level trough feature will move east of SoCal through this evening Strong winds will continue through early evening but not nearly as strong. Winds will be gradually decreasing this evening and overnight. Through early evening, winds likely to be up to 60 mph especially in the isolated wind prone locations along

mountaintops and desert slopes.

Later tonight, upper level ridging will begin to build over the area with some light offshore flow developing near the surface. Any remaining low level cloud cover will dissipate later tonight as well.

Upper level ridging and light offshore flow will continue through Saturday with much warmer conditions west of the mountains.

Another trough will move through California on Monday. In advance of this trough onshore winds will again increase again with strong winds likely Monday afternoon through Tuesday over the mountains and down into the deserts. Near the coast the marine layer will increase again and we could see some patchy drizzle.

Brief transitory ridging on Wednesday. Models diverge and have poor run to run consistency for Thursday into next weekend but it does look like another trough will move through SoCal during that time frame with another chance for a period of strong winds over the mountains and deserts.

&&

.AVIATION...

130315...Coast/Valleys...SCT-BKN high clouds and unrestricted vis through Friday evening. North-northeast winds developing near the foothills and passes 12Z-21Z with local gusts 25-40 kt and pockets of LLWS south and southwest of the mountains.

Mountains/Deserts...West winds with gusts 30-45 kt along mountain ridges, desert mountain slopes, and into adjacent desert areas will continue evening. Rotors, LLWS, and mountain waves are possible over and east of the mountains particularly vcnty KPSP. Winds will decrease overnight. Winds will shift to the north-northeast by early Friday morning, strongest along the ridges and coastal mountain slopes. Otherwise SCT-BKN high clouds and unrestricted vis through Friday evening.

&&

.MARINE...

Northwest wind gusts of 25-30 kt and combined seas of 9-13 ft will continue overnight across the coastal waters. A Small Craft Advisory remains in effect through 5 AM Friday. Conditions will improve over the weekend, then winds will increase again on Monday, leading to hazardous conditions again.

&&

.BEACHES...

Elevated surf of 3-5 ft with sets to 6 ft will create a high risk of rip currents across the San Diego and Orange County Beaches through Friday. Conditions will improve Saturday.

&&

.SKYWARN...

Skywarn activation is not requested. However weather spotters are encouraged to report significant weather conditions.

&&

.SGX WATCHES/WARNINGS/ADVISORIES...

CA...High Wind Warning until 8 PM PDT this evening for Apple and Lucerne Valleys-Coachella Valley-Riverside County Mountains-San Bernardino County Mountains-San Diego County Deserts-San Diego County Mountains-San Gorgonio Pass Near Banning.

PZ...Small Craft Advisory until 5 AM PDT Friday for Coastal Waters from San Mateo Point to the Mexican Border and out to 30 nm-Waters from San Mateo point to the Mexican Border Extending 30 to 60 nm out including San Clemente Island.

&&

\$\$

PUBLIC...Gregoria (Update)/Brotherton (Prev Discussion)
AVIATION/MARINE...SS

IOWA STATE UNIVERSITY

College of Ag

Department of Agronomy

Department of Agronomy

716 Farm House Ln

Ames, IA 50011

☐

985

FXUS65 KPSR 131036

AFDPSR

Area Forecast Discussion

National Weather Service Phoenix AZ

336 AM MST Fri Apr 13 2018

.SYNOPSIS...

Expect additional cooling today along with dry and windy conditions...most noticeably near and east of the Lower Colorado River Valley. Temperatures rebound over the weekend with highs climbing into the low 90s by Sunday. There will be a couple more weather systems next week leading to periods of windy and cooler conditions with precipitation chances limited mainly to higher terrain areas of Arizona.

&&

.DISCUSSION...

The low pressure system that brought all the wind (and in turn dust) is progressing eastward. The upper trough is shifting from the Interior West to the Rockies with subsidence spreading over the forecast area from west to east. The upper trough won't race eastward. In fact, it will dig some to our east as it encounters a downstream ridge along with the upstream ridge amplifying. That will mean strong winds through the depth of the troposphere over our area and the subsidence will keep a significant surface pressure gradient going for today. Thus, windy conditions will return today as mixing increases due to the surface heating. The air is very dry as well, so a Red Flag Warning remains in effect for later today over most of our Arizona zones. Winds won't be quite as strong today over southeast California and directions will have a northerly component which is a less favorable fetch for widespread dense blowing dust. So, not anticipating visibility to be quite as bad as it was on Thursday but anticipate there will still be some areas of blowing dust at times - most likely over Pinal, La Paz, and Yuma Counties. One positive is that temperatures will be quite nice with highs in the upper 70s and low 80s.

As the ridge builds in over the weekend, highs will climb quickly with readings in the low 90s by Sunday.

Another dry system goes through the Western states on Monday and Tuesday for windy conditions and cooler temperatures. This system

isn't looking like it will dig quite as deep so the winds may not get quite as strong but enough that blowing dust and increased fire danger will still be concerns on Monday. Temperatures rebound Wednesday as a transient ridge passes by. Then, yet another system moves through the western states for the end of the next workweek. The operational GFS and ECMWF are in fairly good agreement considering how far out in time that is. In fact, the 06Z GFS sped up a bit compared to the 00Z run and is now more similar to the EC in it's timing. However, it isn't quite as deep over our area. NAEFS and NBM PoPs are quite meager and thus have only a low end slight chance limited to the higher terrain east of Phoenix. Otherwise, windy Thursday and cooler Friday.

&&

.AVIATION...

South-Central Arizona including KPHX, KIWA, and KSDL:

Strong winds that have been affecting the region today are now slowly diminishing this evening as nighttime cooling takes effect. However, gusty winds are expected to persist through the night as winds aloft remain quite strong (30-40kts at 2-3k feet) as they become more northerly with time. Gusts in a 20-30kt range will resume late Friday morning, with these winds continuing into the early evening hours. Although additional reductions in sfc visibilities are not likely, leftover lofted dust will continue to create slant visibility issues into Friday. Very dry air moving into the region will keep skies clear through the taf period.

Southeast California/Southwest Arizona including KIPL and KBLH:

Strong winds that have been affecting KIPL today are now slowly diminishing this evening as nighttime cooling takes effect. However, breezy-gusty westerly winds are expected to persist through the night as winds aloft remain quite strong (30-40kts at 2-3k feet) as they become more northerly with time. Gusts in a 20-25kt range will resume late Friday morning, with these winds continuing into the early evening hours. Although additional reductions in sfc visibilities are not likely, leftover lofted dust will continue to create slant visibility issues.

Gusty northerly winds are expected to continue at KBLH through the rest of tonight, although speeds are expected to diminish later tonight before increasing again (gusts in the 25-35kt range) Friday afternoon. Some minor blowing dust issues could continue until around midnight, with these issues returning Friday afternoon as the winds increase once again. Leftover lofted dust will continue to create slant visibility issues through the taf period as well.

Aviation Discussion not updated for amended TAFs.

&&

.FIRE WEATHER...

Saturday through Wednesday...

High pressure builds over the Desert SW for Saturday and Sunday allowing winds to become relatively light over the weekend.

Temperatures will also rebound with highs near 90 for the lower deserts by Sunday. Another dry weather system will move in on Monday bringing yet more wind to our entire area. At this point an elevated fire weather threat will most certainly exist on Monday, especially in SE California, but it is not clear if we will hit critical fire weather thresholds. Cooler weather and light winds will move in behind this system on Tuesday although conditions will still remain very dry.

&&

.SPOTTER INFORMATION STATEMENT...

Spotter activation will not be needed this week.

&&

.PSR WATCHES/WARNINGS/ADVISORIES...

AZ...Red Flag Warning from 11 AM this morning to 7 PM MST this evening for AZZ132.

CA...None.

&&

\$\$

DISCUSSION...AJ

AVIATION...Percha

FIRE WEATHER...Iniguez/Hirsch

**IOWA STATE
UNIVERSITY**

College of Ag

Department of Agronomy

☐

282

NOUS46 KSGX 131640

PNSSGX

CAZ043-048-050-055>058-060>062-065-552-554-140440-

Public Information Statement

National Weather Service San Diego CA

940 AM PDT Fri Apr 13 2018

...Wind Reports PAST 48 HOURS...

Location	Speed	Time/Date	Elevation (ft.)
1. Burns Canyon	84 MPH	0651 AM 04/12	6284
2. Whitewater Raws (2 N)	69 MPH	0950 AM 04/12	2546
3. Fremont Canyon	62 MPH	0950 AM 04/13	1780
3. Volcan Mountain	61 MPH	0350 AM 04/12	5154
4. Boulevard (1 W)	59 MPH	0950 AM 04/12	3404
5. Thousand Palms (5 NNE)	59 MPH	0728 AM 04/12	1066
6. Harrison Park	57 MPH	0250 AM 04/12	4861
7. Pinyon Pines	56 MPH	0736 AM 04/12	4060
8. Mt San Jacinto	54 MPH	0753 AM 04/12	8584
9. Whitewater	54 MPH	0445 AM 04/12	1510
10. Borrego Springs (7 SE)	53 MPH	0951 AM 04/12	587
11. Palm Springs Airport	51 MPH	0701 PM 04/12	474

...Wind Reports...

Location	Speed	Time/Date	Elevation (ft.)
----------	-------	-----------	-----------------

...Santa Ana Mountains and Foothills...

Fremont Canyon	62 MPH	0851 AM 04/13	1780
Corona	41 MPH	0711 PM 04/11	1951
El Cariso	40 MPH	0420 AM 04/13	2733
Santiago Peak	35 MPH	0335 PM 04/12	4135
Santa Rosa Plateau	26 MPH	0454 AM 04/13	1986

...San Gorgonio Pass Near Banning...

Whitewater Raws (2 N)	69 MPH	0950 AM 04/12	2546
Thousand Palms (5 NNE)	59 MPH	0728 AM 04/12	1066
Whitewater	54 MPH	0445 AM 04/12	1510
Cabazon	39 MPH	1214 PM 04/12	2154

...San Diego County Mountains...

Volcan Mountain	61 MPH	0350 AM 04/12	5154
Boulevard (1 W)	59 MPH	0950 AM 04/12	3404
Harrison Park	57 MPH	0250 AM 04/12	4861
Ranchita (1 NE)	50 MPH	0907 AM 04/12	4415

Boucher Hill	49 MPH	1007 AM	04/12	5440
Boulevard (5 NW)	48 MPH	0820 AM	04/13	4114
Julian (2 SE)	46 MPH	0404 AM	04/12	4487
Sill Hill	46 MPH	0850 AM	04/13	3556
Palomar Mtn Lookout	46 MPH	0139 AM	04/12	6142
4 E Pine Valley	45 MPH	0331 AM	04/12	6048
Julian (5 NW)	44 MPH	0800 AM	04/13	4284
Boulevard (8 NW)	44 MPH	0820 AM	04/13	4000
Santa Ysabel (1 SE)	43 MPH	0850 AM	04/13	3314
Descanso (8 NE)	41 MPH	1050 AM	04/12	4740
Palomar Mountain (1 NNW)	41 MPH	0225 AM	04/12	5230
Campo (3 NE)	41 MPH	0850 AM	04/13	2886
Pine Valley (5 S)	40 MPH	0830 AM	04/13	3263
Campo	40 MPH	0843 AM	04/13	2630
Descanso (5 N)	39 MPH	0850 AM	04/13	3609
Warner Springs (4 SE)	39 MPH	0140 PM	04/12	3242
Julian Fire Station	38 MPH	0255 AM	04/12	4238
Santa Ysabel (2 SW)	38 MPH	0820 AM	04/13	3291
Boulder Creek	37 MPH	0840 AM	04/13	3706
Campo (1 SW)	36 MPH	0850 AM	04/13	2433
Descanso (4 N)	36 MPH	0746 AM	04/13	3329
Mt Laguna Observatory (1 N)	34 MPH	1152 AM	04/12	5737
Julian (2 N)	34 MPH	0810 AM	04/13	4131
Julian (1 ESE)	34 MPH	0240 AM	04/12	4201
Guatay	34 MPH	0420 PM	04/12	3892
Warner Springs (3 SW)	34 MPH	0200 PM	04/12	2842
Lake Cuyamaca	34 MPH	0410 PM	04/12	4779
Warner Springs (4 SW)	34 MPH	0850 AM	04/13	2803
Pine Valley (3 SSW)	33 MPH	0340 PM	04/12	4004
Lake Morena (1 E)	33 MPH	0850 AM	04/13	3085
Santa Ysabel North	33 MPH	0840 AM	04/13	3009
Chihuahua Valley	32 MPH	0640 AM	04/13	4610
Julian (4 W)	32 MPH	0830 AM	04/13	3738
Oak Grove N	30 MPH	0200 PM	04/12	2756
5 S Julian	30 MPH	1020 AM	04/12	4637
Palomar Mountain (2 NE)	30 MPH	0215 AM	04/12	5486
Oak Grove	30 MPH	0709 PM	04/11	2781
Descanso (1 SW)	29 MPH	0420 PM	04/12	3394
...San Diego County Inland Valleys...				
Hellhole Canyon	46 MPH	0850 AM	04/13	2001
Alpine	44 MPH	0852 AM	04/13	2810
Otay Mountain	40 MPH	0530 PM	04/12	3359
Potrero	39 MPH	0810 AM	04/13	2360
North Boulder Creek	38 MPH	0840 AM	04/13	3091
Otay Mountain	38 MPH	0614 PM	04/12	3283
Alpine (4 E)	38 MPH	0820 AM	04/13	2754
Round Potrero	38 MPH	0820 AM	04/13	2634
Santa Ysabel (4 SW)	37 MPH	0850 AM	04/13	2517

Potrero (2 NE)	37 MPH	0850 AM	04/13	2532
Dye Mountain	36 MPH	0850 AM	04/13	2998
San Clemente (5 E)	34 MPH	0422 PM	04/12	810
Sky Valley	34 MPH	0530 PM	04/12	2248
Rincon (5 E)	34 MPH	0840 AM	04/13	2457
Potrero North	34 MPH	0820 AM	04/13	2302
Barrett Junction (1 SE)	33 MPH	0850 AM	04/13	1221
Santa Ysabel (5 SE)	32 MPH	0850 AM	04/13	2604
Santa Ysabel Ranch	31 MPH	0800 AM	04/13	2943
Potrero	30 MPH	0727 AM	04/13	2345
Ramona (4 NE)	30 MPH	0840 AM	04/13	2337
Roblar Canyon (Camp Pendleto	30 MPH	0422 PM	04/12	915
Dulzura (3 N)	29 MPH	0540 PM	04/12	2384
Jamul (7 E)	29 MPH	0355 PM	04/12	3760
Lake San Marcos (3 SE)	29 MPH	0530 PM	04/12	540
Rainbow (2 WSW)	28 MPH	0706 AM	04/13	1600
Alpine (7 SE)	28 MPH	0600 PM	04/12	2834

...San Diego County Deserts...

Ocotillo Wells (4 W)	53 MPH	0730 AM	04/12	436
Borrego Springs (7 SE)	53 MPH	0951 AM	04/12	587
Borrego Springs (3 W)	49 MPH	0730 PM	04/11	820
Julian (9 ESE)	49 MPH	0909 AM	04/12	2011
In Ko Pah	45 MPH	0930 AM	04/12	3221
Borrego Springs (9 S)	38 MPH	0130 PM	04/12	768
Borrego Springs (2 E)	36 MPH	0810 AM	04/12	720
Jacumba	36 MPH	0900 AM	04/12	2700
3 NW Borrego Springs	33 MPH	0437 AM	04/12	2175
Ocotillo Wells (3 WNW)	31 MPH	0731 AM	04/12	390
Ocotillo Wells (1 SW)	30 MPH	0948 AM	04/12	137

...San Diego County Coastal Areas...

Red Beach Airport	31 MPH	0335 PM	04/12	88
Camp Pendleton South	30 MPH	0423 PM	04/12	245
Oceanside Airport	30 MPH	0349 PM	04/12	28
Mission Beach	28 MPH	0909 AM	04/12	13
San Miguel	27 MPH	0430 PM	04/12	500
San Diego Airport	26 MPH	0351 PM	04/12	15
North Island	26 MPH	0600 PM	04/12	0
Mission Valley	25 MPH	0651 PM	04/12	319
Del Mar	25 MPH	0531 PM	04/12	12
Moonlight Beach	25 MPH	0500 PM	04/12	36
Silver Strand Beach	25 MPH	0927 AM	04/12	30
Brown Field (5 SE)	25 MPH	0430 PM	04/12	565
North Island NAS	25 MPH	0352 PM	04/12	26
Coronado Cays	24 MPH	0947 AM	04/12	45
Brown Field	24 MPH	0436 PM	04/12	525
Chula Vista (3 SE)	24 MPH	0500 PM	04/12	133
Del Mar (2 E)	24 MPH	0550 PM	04/12	294

Kensington	24 MPH	0354 PM	04/12	374
Chula Vista	24 MPH	1014 AM	04/12	58
Imperial Beach (2 SE)	24 MPH	0950 AM	04/12	328
1 WNW Lemon Grove	23 MPH	0452 PM	04/12	442
...San Bernardino and Riverside County Valleys-The Inland Empire...				
Temescal	52 MPH	0641 PM	04/11	1708
Devore	42 MPH	0810 AM	04/13	2081
Highland Springs	40 MPH	0816 AM	04/13	2233
Lake Mathews (1 SW)	36 MPH	0416 PM	04/12	1516
San Bernardino Airport	35 MPH	0400 AM	04/13	1157
Ontario (6 SE)	34 MPH	0904 AM	04/13	816
Perris (2 NW)	31 MPH	0330 PM	04/12	1901
Rialto (2 S)	31 MPH	0120 AM	04/13	1142
Rialto	31 MPH	0705 AM	04/13	4685
March Field (2 SW)	30 MPH	0354 AM	04/13	1722
Chino (1 E)	30 MPH	0358 PM	04/12	731
Riverside Airport	30 MPH	0311 PM	04/12	818
Ontario Airport	30 MPH	0650 PM	04/11	947
Chino Airport	30 MPH	0351 PM	04/12	680
Corona Airport	30 MPH	0327 PM	04/12	531
2 E Canyon Lake	29 MPH	0423 PM	04/12	1427
Lake Elsinore	28 MPH	0649 PM	04/11	1274
Lake Elsinore (7 WNW)	28 MPH	0358 PM	04/12	1391
Riverside (5 W)	27 MPH	0805 AM	04/13	876
Home Gardens (2 N)	27 MPH	0707 PM	04/11	948
Riverside Presidential Park	26 MPH	0349 PM	04/12	879
Redlands	26 MPH	1055 PM	04/12	1570
Murrieta (2 Wnw)	26 MPH	0249 PM	04/11	1240
San Bernardino Csu	25 MPH	0353 AM	04/13	1520
...San Bernardino County Mountains...				
Burns Canyon	84 MPH	0651 AM	04/12	6284
Running Springs (2 NW)	43 MPH	0715 PM	04/11	6350
Mormon Rock	41 MPH	0316 PM	04/11	3300
2 NNW Banning	38 MPH	0813 PM	04/12	3609
Big Bear (2 E)	38 MPH	1045 PM	04/11	6790
Big Bear Airport	33 MPH	0415 PM	04/12	6752
Rock Camp	32 MPH	0202 PM	04/11	4900
Wrightwood (1 W)	32 MPH	0620 PM	04/11	6371
Wrightwood	32 MPH	1033 PM	04/11	5994
Big Bear Lake	31 MPH	0929 PM	04/11	7001
Fawnskin	30 MPH	1035 PM	04/11	7000
Converse	29 MPH	0709 PM	04/11	5618
Wrightwood	28 MPH	0615 PM	04/11	5997
Lake Arrowhead	28 MPH	0347 AM	04/12	5495
Lake Arrowhead (1 NW)	26 MPH	0338 PM	04/12	5312
Running Springs	26 MPH	1202 AM	04/13	6255
Big Bear Lake	25 MPH	0155 PM	04/12	6766

...Riverside County Mountains...

Pinyon Pines	56 MPH	0736 AM	04/12	4060
Mt San Jacinto	54 MPH	0753 AM	04/12	8584
Mt San Jacinto Ranger Statio	42 MPH	0518 AM	04/12	8375
Anza (5 NNE)	33 MPH	0950 AM	04/12	4599
9 SE Mountain Center	31 MPH	0638 AM	04/13	4590
Banning (5 NNW)	31 MPH	0614 PM	04/11	3830
Pine Cove (8 NW)	30 MPH	0801 AM	04/12	4906
Anza	29 MPH	0454 PM	04/12	3939
Mountain Center	26 MPH	0117 AM	04/12	4701
Anza (5 NE)	26 MPH	0514 PM	04/11	4555
Anza (5 NE)	24 MPH	0804 AM	04/12	4698

...Orange County Inland...

1 W Placentia	49 MPH	0353 PM	04/12	247
Fullerton Airport	36 MPH	0527 PM	04/12	96
Placentia (2 NNE)	34 MPH	0348 PM	04/12	344
San Clemente Ridge	31 MPH	0320 PM	04/12	770
Los Alamitos (2 NE)	31 MPH	0305 PM	04/12	42
Coto De Caza (3 S)	29 MPH	0251 PM	04/12	793
Garden Grove	29 MPH	0403 PM	04/12	115
Laguna Hills	28 MPH	0313 PM	04/12	295
Stanton (2 NE)	27 MPH	0314 PM	04/12	66
La Habra (1 SSW)	27 MPH	0320 PM	04/12	46
Stanton	26 MPH	0550 PM	04/12	68
Santa Ana (1 SE)	26 MPH	0918 AM	04/13	73
Villa Park	25 MPH	0830 AM	04/13	279

...Orange County Coastal...

Laguna Beach (1 SW)	34 MPH	0622 AM	04/12	84
Laguna Beach	33 MPH	0350 PM	04/12	819
San Clemente	31 MPH	0633 PM	04/12	32
Laguna Beach	30 MPH	0308 PM	04/12	6
Corona Del Mar	29 MPH	0446 PM	04/12	49
Seal Beach (2 SE)	28 MPH	0322 PM	04/12	29
Sunset Beach (2 ESE)	28 MPH	0604 PM	04/11	9
Huntington Beach (1 NW)	26 MPH	0647 PM	04/12	13
Santa Ana Airport	26 MPH	0153 PM	04/12	50
Huntington Beach (2 ESE)	26 MPH	0321 PM	04/12	16
Fountain Valley (3 W)	26 MPH	0444 PM	04/12	20
San Clemente	24 MPH	0309 PM	04/12	173
Costa Mesa (3 NE)	23 MPH	0333 PM	04/12	59

...Coachella Valley...

Thousand Palms (5 NE)	53 MPH	0752 AM	04/12	1089
Palm Desert (5 S)	51 MPH	1100 PM	04/11	980
Palm Springs Airport	51 MPH	0701 PM	04/12	474
Thousand Palms	48 MPH	0100 PM	04/12	272

Cathedral City (1 SW)	44 MPH	0752 PM 04/11	605
Thermal Airport	43 MPH	0705 PM 04/11	-118
Coachella	40 MPH	0658 PM 04/11	110
Indio Fire Station	34 MPH	0437 PM 04/12	26
La Quinta (7 SE)	29 MPH	0600 PM 04/11	13

...Apple and Lucerne Valleys...

Means Lake	52 MPH	1026 AM 04/12	2818
Lucerne Valley (1 SW)	47 MPH	0126 AM 04/12	3034
Adelanto	43 MPH	0510 PM 04/12	2943
3 E Victorville	42 MPH	0317 PM 04/11	2746
Apple Valley (6 N)	41 MPH	0450 PM 04/12	3159
Victorville (6 SW)	41 MPH	0619 PM 04/12	3164
Victorville (5 N)	41 MPH	0410 PM 04/12	4650
Apple Valley Airport (KAPV)	41 MPH	0355 PM 04/12	3062
Victorville Airport	40 MPH	0548 PM 04/12	2884
Hesperia (2 E)	39 MPH	0300 PM 04/11	3051
Hesperia (4 SW)	38 MPH	0159 PM 04/11	3580
Hesperia (5 SW)	37 MPH	0743 PM 04/11	3723
Phelan	36 MPH	1130 AM 04/12	3587
El Mirage	34 MPH	0926 AM 04/12	2880
4 NE Big Pines	33 MPH	0449 PM 04/12	4302

...Maritime Stations...

San Clemente Basin Buoy	38 MPH	0650 AM 04/12	0
Mission Bay Channel	29 MPH	0623 AM 04/12	22
Oceanside Jetty	29 MPH	0353 PM 04/12	18
30 W Coronado	29 MPH	1000 PM 04/12	0
Imperial Beach Pier	24 MPH	0422 PM 04/12	40

Observations are collected from a variety of sources with varying equipment and exposures. We thank all volunteer weather observers for their dedication. Not all data listed are considered official.

\$\$

tardy



College of Ag
Department of Agronomy